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VOLUME XVIII

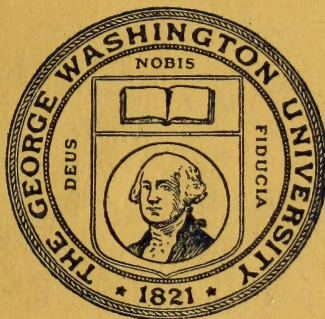
NUMBER 2

George Washington University Bulletin

CATALOGUE NUMBER

¹⁹¹⁸
JUNE 1919

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UNIVERSITY OF ILLINOIS



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JUNE, OCTOBER AND DECEMBER

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matter under Act of Congress of July 16, 1894

**"SEEK THE TRUTH WITHOUT PREJUDICE
SPEAK THE TRUTH WITHOUT FEAR."**

George Washington University
BULLETIN

CATALOGUE NUMBER

JUNE 1919

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PART I
GENERAL

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UNIVERSITY CALENDAR

1919

February	16	<i>Sunday.</i> —Winter Convocation Sermon.
February	17	<i>Monday.</i> —Second half-year begins.
February	22	<i>Saturday.</i> —Winter Convocation. A holiday in all Departments of the University.
April	18	<i>Friday.</i> —Easter holiday.
April	21	<i>Monday.</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
April	22	<i>Tuesday.</i> —Davis Prize Speaking.
May	19	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	26	<i>Monday.</i> —Doctorate Disputation.
May	30	<i>Friday.</i> —A holiday in all Departments of the University.
June	9	<i>Monday.</i> —Final examinations, Department of Arts and Sciences, begin.
June	11	<i>Wednesday.</i> —Annual meeting of the Board of Trustees.
June	15	<i>Sunday.</i> —Baccalaureate Sermon.
June	18	<i>Wednesday.</i> —Commencement.
June	21	<i>Saturday.</i> —Registration for Summer School.
June	23	<i>Monday.</i> —Summer School begins.
September	24	<i>Wednesday.</i> —Academic Year begins in all Departments of the University.
September	29	<i>Monday.</i> —Last day on which theses of candidates for Engineering and Master's degrees at the Fall Convocation may be presented.
October	8	<i>Wednesday.</i> —Stated meeting of the Board of Trustees.
October	23	<i>Thursday.</i> —Fall Convocation.
Nov.	27-29	<i>Thursday to Saturday,</i> both inclusive.—Thanks-giving recess.

**RECESS FROM DECEMBER 24, 1919, TO JANUARY 2, 1920
BOTH INCLUSIVE**

1920

January	2	<i>Friday.</i> —Last day on which theses of candidates for the Doctorate degrees at the Winter Convocation may be presented.
January	7	<i>Wednesday.</i> —Stated meeting of the Board of Trustees.

January	26	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Winter Convocation may be presented.
February	2	<i>Monday.</i> —Second half-year begins.
February	2	<i>Monday.</i> —Doctorate Disputation.
February	22	<i>Sunday.</i> —Winter Convocation Sermon.
February	23	<i>Monday.</i> —Winter Convocation. A holiday in all Departments of the University.
April	2-5	<i>Friday to Monday,</i> both inclusive.—Easter holidays.
April	6	<i>Tuesday.</i> —Davis Prize Speaking.
April	19	<i>Monday.</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
May	17	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	24	<i>Monday.</i> —Doctorate Disputation.
May	26	<i>Wednesday.</i> —Final examinations, Department of Arts and Sciences, begin.
May	26	<i>Wednesday.</i> —Annual meeting of the Board of Trustees.
May	30	<i>Sunday.</i> —Baccalaureate Sermon.
June	2	<i>Wednesday.</i> —Commencement.

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President of the University

1920

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1921

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Mr. George W. White
Mr. Morris Williams
Rev. Charles Wood
Miss Woodhull

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The Secretary of the University, Secretary *ex officio*.

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Elmer Louis Kayser, A.M., Secretary
Charles Wendell Holmes, Treasurer

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Lula Elizabeth Conner, A.B., Recorder

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Howard Lincoln Hodgkins, Ph.D., Dean

Teachers College

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Department of Medicine and Dentistry

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Oscar Benwood Hunter, A.B., M.D., Assistant Dean

Medical School

William Cline Borden, M.D., Dean

Dental School

Carl Joseph Mess, D.D.S., Dean

Law School

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William Cabell Van Vleck, A.B., LL.B., Secretary

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Alfred Frederick William Schmidt, A.M., Librarian

Buildings and Grounds

Elmer Schatz, Superintendent

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(Arranged in Departmental Groups)

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ELMER LOUIS KAYSER, A.M.....Secretary of the University
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Acting Dean of the School of Graduate Studies

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Assistant Professor of Law

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OSCAR BENWOOD HUNTER, A.B., M.D.,

Professor of Bacteriology and Pathology

CARL JOSEPH MESS, D.D.S.....Dean of the Dental School

Committees of the President's Council

Catalogue and Other Publications.—The President, the Secretary, Professors HODGKINS, WILBUR, and RUEDIGER.

Admissions.—Professor HODGKINS, RUEDIGER, and WILBUR.

Commencement Exercises.—Professors FERSON, SWETT, ALDEN, the Secretary, and the Treasurer.

Schedule.—Professors HENNING, HODGKINS, and RUEDIGER.

Library.—Professors SCHOENFELD, HENNING, the Librarian.

Summer School.—Professors RUEDIGER, HODGKINS, WILBUR, HUNTER, and VAN VLECK.

Student Activities.—Professors HALSEY, HENNING, RUEDIGER, VAN VLECK, (Secretary) and DOYLE.

Affiliated Colleges.—Professors HENNING, HUNTER, and McNEIL.

GEORGE WASHINGTON'S WILL AND GEORGE WASHINGTON UNIVERSITY.

The establishment of a University in the National Capital was one of the desires most strongly entertained by George Washington. From the moment that the Constitution was adopted until the hour of his death he continually championed the idea. In his last will and testament he left a legacy for such an institution if ever created. The following extracts from it are interesting and suggestive:

“* * * * It has been my ardent wish to see a plan devised on a liberal scale which would have a tendency to spread systematic ideas through all parts of this rising Empire, thereby to do away local attachments and state prejudices as far as the nature of things would, or indeed ought to admit, from our national councils—Looking anxiously forward to the accomplishment of so desirable an object at this is, (in my estimation) my mind has not been able to contemplate any plan more likely to effect the measure than the establishment of a University in a central part of the United States to which the youth of fortune and talents from all parts thereof might be sent for the completion of their education in all the branches of polite literature in arts and sciences—in acquiring knowledge in the principles of Politics and good Government and (as a matter of infinite importance in my judgment) by associating with each other and forming friendships in Juvenile years, be enabled to free themselves in a proper degree from those local prejudices and habitual jealousies which have just been mentioned and which when carried to excess are never failing sources of disquietude to the Public mind and pregnant of mischievous consequences to this country:—under these impressions so fully dilated,—

ITEM—I give and bequeath in perpetuity the fifty shares which I hold in the Potomac Company (under the aforesaid Acts of the Legislature of Virginia) towards the endowment of a University to be established within the limits of the District of Columbia,
* * * *”

Washington's legacy never became effective. Congress, because of varying opinions as to the functions of the national government in matters of education, never acted; and in time the Potomac canal shares themselves became valueless.

The University seeks, however, to accomplish the ends which were in the mind of the great Washington and to attain that goal which Mr. Justice Brewer of the United States Supreme Court so

glowingly portrayed in an address at the first Mid-Winter Convocation:

"On this birthday of the Father of His Country I leave with you this thought: George Washington, the testator; the people of the United States, the Executors; the bequest, a University; its domicile, the District of Columbia; its field of toil, the Republic; the reach of its ever-increasing influence and glory, the boundaries of space and time."

FORM OF BEQUEST

One hundred thousand dollars will establish a chair, five thousand dollars a scholarship, and one thousand dollars a prize, in any department of the University.

"I give and bequeath to the George Washington University, of Washington, D. C., the sum of _____ dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine (or, in case of a special gift, stating the terms of the gift)."

HISTORY AND PRESENT ORGANIZATION

The George Washington University is the successor of The Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

The first Commencement of Columbian College was held on the 15th of December, 1824, with the President of the United States, the Honorable John Quincy Adams, Secretary of State, the Honorable John C. Calhoun, Secretary of War, the Honorable Henry Clay, Speaker of the House of Representatives, and General Lafayette among those present.

Work in the College was confined to the Arts and Sciences until March, 1825, when the Medical Department was established under the conduct of Dr. Thomas Sewall. The Medical Department is thus in the chronological order of establishment the seventeenth medical school in the United States. In 1826 the Law Department was founded with the Honorable William T. Carroll and Mr. Justice Cranch as its professors. A Theological School founded in the same year was soon moved to Newton, Mass., where it now flourishes. On October 1, 1884, the Corcoran Scientific School, now the College of Engineering was founded. Under Dean Charles Monroe the School of Graduate Studies was organized in 1893. The Dental School had as its nucleus a course of lectures begun in November, 1887. The most recent of the schools of the University, Teachers College, was started as The Division of Education in 1907. Under the provisions, Section II of the Act of 1905, there

are now two affiliated colleges—The National College of Pharmacy, organized in 1905, and the College of Veterinary Medicine, organized in 1908.

EDUCATIONAL ORGANIZATION

DEPARTMENT OF ARTS AND SCIENCES

School of Graduate Studies

Columbian College

College of Engineering

Teachers College

DEPARTMENT OF MEDICINE AND DENTISTRY

The Medical School

The Dental School

THE LAW SCHOOL

THE ASSOCIATED COLLEGE

The National College of Pharmacy

Annual Commencement

The Annual Commencement is held thirty-six weeks after the last Wednesday in September. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 23.

The Winter Convocation is held on February 22.

University Assemblies

University Assemblies will be held from time to time, the attendance of students upon which may be required.

Special University Lectures

In fulfillment of its declared purpose to inculcate sound principles of patriotism and a sense of devotion to the Government of the United States, special lectures will be given during the year on the subjects of Constitutional Law, International Relations and Civic Duties. The Dean of any department may require the attendance upon these lectures by all the students of his department as a part of their obligatory work. Arrangement is in progress for the delivery of lectures on International Relations of the United States by Hon. David Jayne Hill, former Ambassador to Germany, similar to the two which were delivered by him before the University in Memorial Continental Hall in April, 1919. Arrangements are also being made with other men of prominence and high scholastic attainments for lectures on the other subjects mentioned.

The University Library

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 54,000 volumes.

In addition to its general collections the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archaeology, and history; the Mount Vernon Alcove containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a.m. to 10.30 p.m.

The Law Library, containing 7,500 volumes, is open from 8.30 a.m. to 10 p.m.

The Medical Library, containing about 3,000 volumes, is open from 9 a.m. to 9 p.m.

Privileges in Governmental Institutions Open to University Students

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

"Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory."

PART
DEPARTMENTS OF THE UNIVERSITY

DEPARTMENT OF ARTS AND SCIENCES

FACULTY

WILLIAM MILLER COLLIER, A.M., LL.D.,

President of the University.

A.B., Hamilton College, 1889, A.M., 1892, LL.D., 1918; LL.D., George Washington University, 1917; Referee in Bankruptcy for Northern District of New York, 1898-99; *Editor, American Bankruptcy Reports, Vols. 1-12, 1899-1905*; Lecturer on the Law of Bankruptcy, 1903-05, New York Law School; Special Assistant Attorney General of the United States and Solicitor of the Department of Labor 1903-05; American Minister Plenipotentiary and Envoy Extraordinary to Spain, 1905-09; Chief of American Delegation (with rank of Minister Plenipotentiary) to the International Conference at Christiana, to frame a government for the islands of Spitzbergen, 1914; Lecturer in International Law, New York Law School, 1912-18; Lecturer in International Law, Wells College, 1915-16; Lecturer on the Law and Practice of Diplomacy, George Washington University, 1916-18; President, 1918—.

JAMES HOWARD GORE, B.S., Ph.D., LL.D., Litt.D.,

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B.S., George Washington University, 1879, Ph.D., 1888, Litt.D., 1918; LL.D., Georgetown College, 1910, Richmond College, 1911; Tutor, George Washington University, 1878-81, Adjunct Professor of Mathematics, 1881-83, Professor, 1883-1909, Professor Emeritus, 1909—; President, Philosophical Society of Washington, 1904; Manager, National Geographical Society; Secretary, American Metrological Society, 1899-1910.

HOWARD LINCOLN HODGKINS, Ph.D. Dean of the Department of Arts and Sciences and of the College of Engineering, and Professor of Mathematics.

A.B., George Washington University, A.M., 1883, Ph.D., 1892; Tutor, 1883, Assistant Professor, 1884-87, Professor, 1887—, Dean, Corcoran Scientific School, 1897-1903, Dean of the University, 1900-02, Dean, College of Engineering, 1905—, Dean, Department of Arts and Sciences, 1913—.

HERMANN SCHOENFELD, Ph.D., LL.D. Professor of German. Graduate, Gymnasium, Strehlen; Universities of Paris (*Ecole de Droit*), Petrograd, Berlin, Breslau, and Leipzig; Instructor, Johns Hopkins University, 1891-93; delegate, U. S. Bureau of

Education for investigation of higher education in Russian, Austrian, and Prussian Poland, 1893-94; Professor of German, 1894—.

JAMES MACBRIDE STERRETT, A.M., D.D., Litt.D.,

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A.B., University of Rochester, 1867, D.D., 1886; A.M., Harvard University, 1870; B.D., Episcopal Theological School, Cambridge, Massachusetts, 1872; Litt.D., George Washington University, 1919; Professor of Ethics and Apologetics, Seabury Divinity School, 1881-92; Professor of Philosophy, George Washington University, 1892-1909, Professor Emeritus, 1909—; President, Society of Philosophical Inquiry, 1893-1910.

CHARLES EDWARD MUNROE, Ph.D., LL.D. Dean Emeritus of the School of Graduate Studies and Professor Emeritus of Chemistry.

S.B., Harvard University, 1871; Ph.D., George Washington University, 1894, LL.D., 1912; Assistant in Chemistry, Harvard University, 1871-74; Professor of Chemistry, U. S. Naval Academy, 1874-86; Chemist to Torpedo Corps, U. S. Torpedo Station and War College, 1886-92; Professor of Chemistry, George Washington University, 1892-1919, Professor Emeritus 1919—; Dean, Corcoran Scientific School, 1892-98, Dean, School of Graduate Studies, 1893-1919, Dean Emeritus, 1919—; Chairman, Committee on Explosives, Council of National Defense, 1918—.

FRANK WIGGLESWORTH CLARKE, Sc.D., LL.D.,

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S.B., Harvard University, 1867; Sc.D., George Washington University, 1891; D.Sc., The Victoria University of Manchester, 1903; LL.D., Aberdeen University, 1906, University of Cincinnati, 1914; Instructor, Cornell University, 1869; Professor of Chemistry, Howard University, 1873-74; Professor of Chemistry and Physics, University of Cincinnati, 1874-83; Professor of Mineral Chemistry, George Washington University; Chief Chemist, U. S. Geological Survey, honorary Curator of Minerals, U. S. National Museum, 1883—.

WILLIAM ALLEN WILBUR, A.M., Litt.D.,

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CHARLES CLINTON SWISHER, Ph.D., LL.D....Professor of History. A.B., Yale University, 1876; LL.B., Columbia University, 1880; Ph.D., Cornell University, 1892; LL.D., University of Guadalajara, 1890, Mt. St. Mary's College, Emmittsburg, Maryland, 1905; Professor of History, 1896—.

MITCHELL CARROLL, Ph.D.,

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GEORGE NEELY HENNING, A.M., Litt.D.....Acting Dean of the School of Graduate Studies, and Professor of Romance Languages.

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ALBERT BURNLEY BIBB Professor of Architecture.

ASAPH HALL, JR., Ph.D.....Professor of Astronomy.
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School, 1901-04; Pathological Physiologist, McLean Hospital,
1904-06; Physiologist, St. Elizabeth's Hospital (Government
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1906—, Professor of Experimental Psychology, 1908—;
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1903—; Chairman, Sub-Committee on Reeducation and Mem-
ber Committee on Psychology, National Research Council,
1917—; Member, Committee on Hospitals, General Medical
Board, Council of National Defense, 1917-18; *Editor, Psycho-
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tion for Middle States, 1915; President, Washington Classical
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Columbia University, 1907, Doctor's Diploma in Education, Teachers College, 1907; Teacher in Elementary School, Alma, Wisconsin, 1893-94; Teacher in High Schools, Eau Claire, Wisconsin and Winona, Minnesota, 1899-1902; Assistant in Education, University of Wisconsin, 1902-03; Professor of Methods, Normal College, Dillon, Montana, 1903-05; Assistant in Physiology, Columbia University, 1906-07; Assistant Professor of Educational Psychology, 1907-11, Professor of Educational Psychology, 1911—, Dean, Teachers College, 1912—, Director, Summer School, 1915—.

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TRUMAN MICHELSON, Ph.D.....Professor of Ethnology. A.B., Harvard University, 1902, A.M., 1903, Ph.D., 1904; Parker Fellow of Harvard University, Universities of Leipsig and Bonn, 1904-05; Instructor in Latin, University of Missouri, 1905-06; Ethnologist, Bureau of American Ethnology, 1910; Professor of Ethnology, George Washington University, 1917—; Vice-President, Anthropological Society of Washington.

JAMES CHAMBERS PRYOR, A.M., M.D.,

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 AB., M.D., University of Nashville, 1894; M.D., Vanderbilt University, 1895, M.A., Johns Hopkins University, 1913; Instructor in Naval Hygiene, U. S. Naval Medical School, 1911-13, Head of Department of Naval Hygiene, 1916—; Secretary, Section of Military and Naval Hygiene, XV International Congress on Hygiene and Demography, 1912; Professor of Preventive Medicine, George Washington University, 1917—; Captain, Medical Corps, U. S. Navy, 1918—.

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 A.B., A.M., Vanderbilt University, 1904; Teaching Fellow in Mathematics, Vanderbilt University, 1904-05; Instructor in Mathematics, University of Alabama, 1907-08; Professor of Mathematics, Millsaps College, 1915-16; Professor of Mathematics, 1918—.

ALLERTON SEWARD CUSHMAN, Ph.D.....Professor of Chemistry.
 B.S., Worcester Polytechnical Institute, 1888; A.M., Harvard University, 1896, Ph.D. and John Harvard Fellow, 1897; Associate Professor of Chemistry, Bryn Mawr College, 1900-01; Assistant Director, Office of Public Roads and Chemist in Charge of Investigations, 1902-10; Director, Institute of Industrial Research; 1910—; Lieutenant Colonel, Ordnance R. C.; Professor of Chemistry, 1919—.

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 B.S., Denison University, 1896, M.S., 1900; Ph.D., George Washington University, 1905; Professor of Chemistry, Shurtleff College, 1899-1904; Assistant Chemist, U. S. Bureau of Chemistry, 1907-14; Associate Chemist U. S. Bureau of Standards, 1914-18; Assistant Professor, George Washington University, 1910-18; Acting Professor, 1918-1919, Professor, 1919—.

OTIS DOW SWETT, S.M., LL.M.....Professor of Chemistry.
 LL.B., George Washington University, 1891, LL.M., 1892, B. S. in Chemistry, 1904, M.S., 1908; Instructor in Chemistry, 1904-09, Assistant Professor, 1909-1919; Professor 1919—;

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ALLAN BOWYER McDANIEL, B.S.,

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B.S., Massachusetts Institute of Technology, 1901; Instructor
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Professor of Civil Engineering, University of South Dakota,
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of Illinois, 1912-16; Head, Department of Civil Engineering,
Union University, 1916-18; Acting Professor of Civil En-
gineering, 1918—.

NEVIL MONROE HOPKINS, Ph.D.. Assistant Professor of Chemistry.
B.S., George Washington University, 1899, M.S., 1900, Ph.D.,
1902; Instructor in Chemistry, George Washington Univer-
sity, 1899-1902, Assistant Professor, 1902—; Trustee, and in
charge, Institute of Industrial Research; Electrical Engineer,
Navy Department, 1905-08; Engineer, U. S. Office of Public
Roads, 1909—; Technical Adviser, design section of Gun
Division, Bureau of Ordnance, 1917—; Major, Ordnance De-
partment, 1917—.

EDWIN ALLSTON HILL, Ph.D.... Assistant Professor of Chemistry.
A.B., Yale University, 1875, M.A., 1902; M.S., George Wash-
ington University, 1901, Ph.D., 1903; Assistant Examiner, U.
S. Patent Office, 1900—; Instructor in Chemistry, 1901-05,
Assistant Professor, 1905—.

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A.B., George Washington University, 1903, A.M., 1904, LL.
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tory, George Washington University, 1905-11, Assistant Pro-
fessor, 1911—.

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EDWARD ROGERS NOYES, M.D....Assistant Professor of Chemistry.
M.D., George Washington University, 1908; Instructor in Chemistry, U. S. Naval Medical School, 1902-18, in charge, Chemical Laboratory of Hygiene and Sanitation, 1918—; Assistant Professor of Chemistry, 1915—.

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B.S., Massachusetts Agricultural College, 1911; M.S., Pennsylvania State College, 1915; Assistant Mathematics, Massachusetts Agricultural College, 1911-13; Instructor in Physics, Pennsylvania State College, 1913, Instructor in Mechanics and Materials of Construction, 1914, Instructor and Assistant Professor of Physics; Assistant Physicist, U. S. Bureau of Standards, 1918—; Assistant Professor of Mechanics, 1918—.

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pal, Eastern High School, 1906-1918; Lecturer in Education, Johns Hopkins Summer School, 1912-14, 1916-17; Lecturer on Education, 1907—.

CHARLES HERBERT STOCKTON, LL.D.,

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versity of New Mexico, 1918; Professor of History, Tarkio
College, Missouri, 1886-87; Superintendent, Training Depart-
ment, State Teachers' College, Colorado, 1894-98; President,
State Normal University of New Mexico, 1898-1903; Director,
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- FRANK ALEXANDER WETMORE, M.S.....Instructor in Zoology.
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B.Pd., Millersville State Normal School, 1912; A.B., Franklin
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George Washington University, 1919—.

Assistants

RALPH WEBSTER BENTON, A.B.....Assistant in English.
HENRY ALBERT LEPPER, B.S. in Chem....Assistant in Chemistry.
PETER VALAER, S.M.....Assistant in Chemistry.
MAY BLANCHE EINSTEIN.....Chief Assistant in the Library.
RUTH FRANCES ALLEN.....Assistant in the Library.
RACHAEL LOUISE BENFER.....Assistant in the Library.
JULIA IRENE DANIELS,

Assistant in the Library, and Student Assistant in English.

MILDRED JOSEPHINE MOORE.....Assistant in the Library.
BEATRICE WILKINS TAIT.....Assistant in the Library.
WARREN REED WEST, A.B.....Assistant in History.
CASPER LEHMAN COTTRELL.....Student Assistant in Physics.
EARL R. CHURCH.....Student Assistant in History.
JOHN AMAN.....Student Assistant in History.
WAGER S. BROWN.....Student Assistant in Chemistry.
BEVERLY CLARK.....Student Assistant in Chemistry.
THOMAS ALLEN DAVIS.....Student Assistant in Chemistry.
ALBERT JOSEPH FIHE.....Student Assistant in Chemistry.
JOHN HENDERSON MOORE.....Student Assistant in Chemistry.
MARIE ELIZABETH O'DEA.....Student Assistant in Chemistry.
ALBERT A. SPEAR.....Student Assistant in Chemistry.
MYER WEINSTEIN.....Student Assistant in Chemistry.
HAZEN H. WILSON.....Student Assistant in Chemistry.
HENRY BRATTAIN.....Assistant in Chemistry.
BONIFANT HAMILTON, B.S. in Chem.....Assistant in Chemistry.
HELEN AUGUSTA MILES, B.S. in Chem....Assistant in Chemistry.
VIVIAN CAMPBELL KELCHNER ROBEY, B.S. in Chem.,

Assistant in Chemistry.

LASALIA MCCAFFREY.....Student Assistant in Economics.
QUINTER LYON Student Assistant in English.
MARTHA ELIZABETH SCHAAF.....Student Assistant in English.
ARTHUR I. GEBHART.....Student Assistant in Chemistry.
ROBERT N. ANDERSON.....Student Assistant in History.
B. D. HODGKINS Student Assistant in Chemistry.
A. L. MORAWSKI.....Student Assistant in Chemistry.

FACULTY OF THE SCHOOL OF GRADUATE STUDIES

President Collier, Dean Henning, Professors Hodgkins, Schoenfeld, Clarke, Wilbur, Swisher, Carroll, Bartsch, Henning, Hall,

Mann, Franz, Smith, Ruediger, Schmidt, Moore, Humphreys, Richardson, Littlehales, Bassler, Kern, Croissant, Schapiro, Michelson, Pryor, C. E. Hill, Coutinho, Cohen, Erwin, Cushman, McNeil, Swett; Assistant Professors Hopkins, E. A. Hill, Alden, Churchill, Noyes, Lapham, T. B. Brown, Kochenderfer, Doyle, Halsey; Messrs. Small, Van Orstrand, Curtis, Kayser, Miss Brigham.

FACULTY OF COLUMBIAN COLLEGE

President Collier, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Carroll, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt, Richardson, Bassler, Kern, Croissant, Coutinho, Schapiro, C. E. Hill, McNeil, Erwin, Swett; Assistant Professors E. A. Hill, Alden, Churchill, Lapham, T. B. Brown, Kochenderfer, Doyle, Halsey, Hanaman, McArthur; Messrs. H. G. Hodgkins, Harrington, Cullom, Jones, Resser, Kayser, Woodward, Teillard, Miss Macmillan, Miss Brigham .

FACULTY OF COLLEGE OF ENGINEERING

President Collier, Dean Hodgkins, Professors Schoenfeld, Wilbur, Henning, Bibb, Schmidt, Littlehales, Bassler, Harris, McNeil, McDaniel, Erwin, Swett; Assistant Professors Alden, Brown, Lapham, T. B. Brown, Doyle, Halsey, Honaman, Norsworthy, Parsons; Messrs. H. G. Hodgkins, Cullom, Resser, Marsh, Woodward.

FACULTY OF TEACHERS' COLLEGE

President Collier, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin; Assistant Professors Alden, T. B. Brown, Kochenderfer, Doyle, McArthur; Messrs. Small, Kayser; Mrs. Albion, Mrs. Symonds.

SCHOOL OF GRADUATE STUDIES

HIGHER DEGREES

The higher degrees conferred in course by the University in this Division of the Department of Arts and Sciences are Master of Arts (A.M.), Master of Science (S.M.), Civil Engineer (C.E.), Electrical Engineer (E.E.), Mechanical Engineer (M.E.), and Doctor of Philosophy (Ph.D.).

ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies on application blanks, which may be obtained of him. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

To be admitted to candidacy for the Master's degree a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidate for pursuing the subjects chosen for the Master's or other higher degree sought. In seeking admission the applicant must state whether he desires to obtain the Specialist degree or the Liberal Culture degree.

The Specialist degree is designed for students who propose to proceed toward the Doctor of Philosophy degree. Such candidates are required to complete one major and two minor subjects selected from properly correlated and approved University subjects amounting to twenty-four semester-hours, and to present a satisfactory thesis, which shall count for six semester-hours. Only one of the minor topics may be selected from the University subject which includes the major topic. Work for which this degree has been awarded may be credited as one year of work toward the Doctor of Philosophy degree, provided that it be in the same field of work.

The Liberal Culture degree is designed for students who do not intend to specialize in their work. Such candidates are required to complete a course of study amounting to not less than thirty semester-hours of work distributed among three approved University subjects, not more than eighteen semester-hours of which shall be given to any one subject. The candidate must also pre-

sent a thesis in the field to which the major subject belongs, which shall count for six of the required thirty credits.

A candidate for a Master's degree must pass at least one full year in residence and study at this University, and no work done in satisfaction of the requirements for the Bachelor's degree shall be counted again for a higher degree. Under no circumstances may courses in the First Section, "Primarily for undergraduates," be counted towards any higher degree, though a graduate student may be allowed to take them without receiving academic credit.

Advanced work done elsewhere may be credited toward the Master's degree in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

HIGHER DEGREES IN ENGINEERING

To be admitted to candidacy for higher degrees in Engineering a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree in Engineering, and of such a character as to fit him to pursue to advantage the study of advanced engineering topics. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the courses of study pursued for the Bachelor's degree must be approved by the Faculty as qualifying the candidate for pursuing the chosen line of study for the degree sought.

A candidate for a degree in Engineering shall pass at least one year of residence at this University. He shall satisfactorily complete approved courses aggregating not less than thirty semester-hours, of which a thesis shall count six.

Advanced work done elsewhere may be credited toward a degree in Engineering in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred upon a student who has pursued specialized courses in university subjects for a period of not less than three years, has engaged in research under university auspices, has submitted an acceptable thesis, and has met all the requirements prescribed. The degree is given for high

attainments and proved ability to do research work in some special branch of knowledge, as determined by the various tests applied.

Before a student can be admitted to candidacy for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. The applicant may be credited with graduate work done at other universities, provided such work is shown to be of grade similar to that required here, but at least one year, preferably the last, must be spent in residence at this University and the other requirements of the degree as prescribed must be fulfilled.

The candidate for the Doctor's degree shall offer three topics from the University subjects—one major and two collateral minor studies, one of which minors may be in the subject which includes the major topic. These must be pursued under the guidance of a committee consisting of the professors in charge of the University subjects in which the studies are pursued, with the professor in the major subject as chairman. This committee will determine his division of time, study, and research among the major and minor topics. Before the Doctor's degree is conferred, the candidate shall have pursued his major subject at least three years and each minor at least two years since he obtained his baccalaureate degree. The candidate shall pass satisfactory examinations upon the three subjects selected. He must satisfy the Professors of French and German, not more than one month after the opening of his final year, that he can read understandingly in the original, French and German works pertaining to his special field. In order to graduate the candidate must possess a broad acquaintance with his major subject and he must present a thesis upon some topic approved by the professor in charge of his major subject, which shall be a contribution to knowledge and which shall be accompanied by an adequate bibliography.

CANDIDATE'S COMMITTEE

The professors and other university officers offering the topics in which a candidate must qualify for his degree and to whom he is assigned constitute the Committee that must pass upon his work. The officer directing the major topic is chairman.

EXAMINATIONS

Candidates must pass examinations upon all their topics. The examinations upon the minor topics may be taken at the close of the respective years in which these topics are completed, or later, at the discretion of the examiner. The final examination on the major topic shall cover the candidate's entire university work, and shall be given when the professor of that subject is satisfied that the student has taken sufficient work to warrant such an examination being taken. If a candidate has satisfactorily passed his final examination, he may be permitted to complete his thesis away from the University.

DEFENSE OF THE THESIS

Before a candidate shall be recommended to the Board of Trustees for the degree of Doctor of Philosophy he must have successfully defended his thesis in public before a Board of Experts not officially connected with the University. Before the candidate shall be permitted to undertake the defense of his thesis, the thesis must have been favorably reported on and recommended for defense by the professor having supervision over the candidate's major topic, and by a co-referee appointed from the Faculty of Graduate Studies.

The subjects from which the candidate's selection may be made, as the Faculty may determine in each case, are as follows:

Applied Mathematics, Archaeology, Anatomy, Architecture, Astronomy, Astro-Physics, Bacteriology, Botany, Chemistry, Civil Engineering, Commerce, Economics, Education, Electrical Engineering, Ethnology, French, Embryology, English, Ethics, Geology and Mineralogy, Germanic Languages and Literature, Greek Language and Literature, Gynecology, Histology, Hydraulic Engineering, History, History of Art, International Law and Diplomacy, Latin Language and Literature, Law, Mathematics, Mechanical Engineering, Meteorology, Microscopy, Nautical Science, Paleontology, Pathology, Philosophy, Physics, Physiology, Pharmacology, Political Sciences, Preventive Medicine, Psychiatry, Psychology, Romance Languages and Literatures, Semitics, Sociology, Spanish, Zoology.

REGULATIONS REGARDING THESES

All theses for each degree sought must, in their final form, be presented to the Dean on the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The Dean will present theses to the Chairman of the Committees on the candidates; doctoral theses will further

be submitted for examination to the co-referees appointed from the Faculty. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies. The candidate for the degree of Doctor of Philosophy is expected to print his thesis under the supervision of the professor in charge of his major subject, within one year after the degree is granted, and he is expected to present one hundred copies to the University, to be distributed among institutions of learning.

DOCTORATE DISPUTATIONS

The Thirty-third Doctorate Disputation was held publicly on May 20, 1918. The theses that were successfully defended, the candidates and the members of the boards of experts were as follows:

Thesis: The genesis of the Edict of Nantes. By EDWIN FRANKLIN ALBERTSWORTH, A.B., 1915, A.M., 1916, George Washington University. Before GEORGE LANSING RAYMOND, A.M., L.H.D.; RABBI ABRAM SIMON, Ph. D.; REV. ROLAND COTTON SMITH, A.M., B.D., Rector of St. John's. GEORGE MORTON CHURCHILL, Ph.D., Assistant Professor of History, presiding.

Thesis: A classification of the hemipterous family Aphididae. By ARTHUR CHALLENGER BAKER, B.S.A., 1911, University of Toronto. Before CHARLES L. MARLATT, B.S., M.S., Assistant Chief Bureau of Entomology; W. DWIGHT PIERCE, A.M., Ph.D., Acting-in-charge Southern Field Crop Insect Investigation, Bureau of Entomology; CHARLES H. T. TOWNSEND, Ph.D., Entomological Assistant, Bureau of Entomology. PAUL BARTSCH, Ph.D., Professor of Zoology, presiding.

Thesis: The parasitism, morphology and cytology of *Cronartium Ribicola*, Fisher. By REGINALD HUNTER COLLEY, A.B., 1909, Dartmouth College; A.M., 1912, Harvard University. Before L. O. KUNKEL, Ph.D., Department of Agriculture.; CORNELIOUS L. SHEAR, A.M., Ph.D., Plant Pathologist, Department of Agriculture; ERWIN F. SMITH, Sc.D., Pathologist-in-charge Bureau of Plant Pathology, Department of Agriculture. ALBERT MANN, Ph.D., Professor of Botany, presiding.

Thesis: The Lutheran Church and the Civil War. By CHARLES WILLIAM HEATHCOTE, A.B., 1905, A.M., 1908, Pennsylvania College, A.M., 1912, University of Pennsylvania. Before REV. JAMES STEPHEN LEMON, A.M., Ph.D., Late Chap-

lin American Church at Munich; FRANCIS H. PARSONS, Chief of the Smithsonian Division of the Library of Congress; REV. LUTHER HESS WARING, A.M., Ph.D., Historian. LEVI RUSSEL ALDEN, A.M., LL.B., Assistant Professor of History, presiding.

Thesis: The requirements for the bachelor's degree in the United States. By WALTON COLCORD JOHN, A.B., 1914, A.M., 1916, George Washington University. Before SAMUEL AVERY, A.M., Ph.D., LL.D., Chancellor of the University of Nebraska; JAMES HOWARD GORE, Ph.D., LL.D., Professor of Mathematics *emeritus*, George Washington University; SAMUEL SPAHR LAWS, LL.D., Litt.D., D.D., Late President of the University of Missouri. HOWARD LINCOLN HODGKINS, A.M., Ph.D., Dean of Department of Arts and Sciences, presiding.

Thesis: A contribution to the pathology of hereditary ataxia. By JOHN ARTHUR FRANKLIN PFEIFFER, M.D., 1908, Baltimore Medical College, A.M., 1916, George Washington University. Before FRANKLYN ELBERT DAVIS, B.A., Ph.G., M.D., late of L'Institut Pasteur de Paris; COL. FREDERICK F. RUSSELL, Medical Corps, U.S.A.; Passed Assistant Surgeon DALLAS G. SUTTON, U.S.N., Professor of Psychiatry, Naval Medical School. OSCAR BENWOOD HUNTER, A.M., M.D., Professor of Pathology and Bacteriology, presiding.

Thesis: Vocational education and the public schools. By WILL CARSON RYAN, Jr., A.B., 1907, Harvard University. Before JOHN A. CHAMBERLAIN, B.S., Supervisor of Manual Training, Public Schools, D. C.; JAMES PHINNEY MUNROE, B.S., Vice-Chairman Federal Board for Vocational Education; WALTER DILL SCOTT, Ph.D., Director Classification of Personnel in the Army. WILLIAM CARL RUEDIGER, Ph.D., Dean of Teacher's College and Professor of Educational Psychology, presiding.

The Thirty-fourth Doctorate Disputation was held publicly on February 3, 1919. The thesis that was successfully defended, the candidate and the members of the board of experts were as follows:

Thesis: The Alaskan Fur Seal. By G. DALLAS HANNA, A.B., 1910, A.M., 1913, University of Kansas. Before HUGH McCORMICK SMITH, M.D., LL.D., U.S. Commissioner of Fisheries; LEONARD STEJNEGER, Head Curator of Biology, U. S. National Museum; EDWARD ALEXANDER PREBLE, Biological Survey, U. S. Department of Agriculture. PAUL BARTSCH, Ph.D., Professor of Zoology, presiding.

The Thirty-fifth Doctorate Disputation was held publicly on February 27, 1919. The thesis that was successfully defended, the candidate and the members of the board of experts were as follows:

Thesis: Agricultural Education in the Secondary Schools of the United States. By HARRY PERCY BARROWS, B.S., 1911, Utah Agricultural College, S.M., 1917, George Washington University. Before SAMUEL PAUL CAPEN, A.B., A.M., Ph.D., Specialist in Higher Education, U. S. Bureau of Education; LAYTON S. HAWKINS, A.B., A.M., Chief, Division for Vocational Education; CHESTER DEACON JARVIS, B.S.A., Ph.D., Specialist in Agricultural Education, U. S. Bureau of Education. WILLIAM CARL RUEDIGER, Ph.D., Professor of Education, presiding.

THE COLLEGES

The College session of 1919-20 begins Wednesday, September 24, 1919.

The Colleges are open to men and women.

ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class may present certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. Deans of the Colleges will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be accepted.

The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

ENTRANCE EXAMINATIONS

The regular examinations for admission are held about June 1, and the schedule for the examinations is issued May 25.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine and one-half units. These units upon which the examination will be given are the following: the specified subjects—English (three units), Mathematics (two and one-half units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

DEFINITION OF REQUIREMENTS

English

(Three units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relations of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:

A. Reading.—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this), Group II—Shakespeare, Group III—Prose Fiction, Group IV—Essays, Biography, etc., Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

B. Study.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I, DRAMA

Shakespeare: Julius Caesar, or Macbeth, or Hamlet.

GROUP II, POETRY

Milton: L'Allegro, Il Penseroso, and either Comus or Lycidas.

Tennyson: The Coming of Arthur, The Holy Grail, and The Passing of Arthur.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

GROUP III, ORATORY

Burke: Speech on Conciliation with America.

Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union.

Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV, ESSAYS

Carlyle: Essay on Burns, with a selection from Burns's Poems.

Macaulay: Life of Johnson.

Emerson: Essay on Manners.

A test on the books prescribed under the *Study* groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington High Schools.

Latin

Elementary (two units)

a. I. Latin Grammar: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Caesar.

b. Caesar: Any four books of the Gallic War, preferably the first four.

Advanced (two units)

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Catiline,

Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of *Æneid*.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

Greek

Elementary (two units)

a. I. Greek Grammar: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. Xenophon: The first four books of the *Anabasis*.

Advanced (one unit)

a. Homer: The first three books of the *Iliad* (omitting II, 494, to end).

b. Sight Translation, based on prose of no greater difficulty than Xenophon's *Anabasis*.

French

Elementary (two units)

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duodecimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-year's course of five periods per week.

Advanced (two units)

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four-year's course of five periods per week.

Fraser and Squair's *French Grammar* or Grandgent's *Essentials of French Grammar* is recommended.

Spanish

(Two units)

Candidates in Spanish must have a good knowledge of grammar including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-year's course of five periods per week.

German

Elementary (two units)

Candidates in Elementary German must have had a two-year's course of five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units)

Candidates in Advanced German must have had a four-year's course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller, and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

History

In this subject special importance is attached to preparation in geography.

Ancient (one unit)

a. Greek History, through the Roman Conquest; as much as is contained in Myer's, Bottsford's, or West's History of Greece.

b. Roman History; as much as is contained in Allen's, Bottsford's or West's History of the Roman People.

Mediaeval History (one unit)

As much as is contained in first twenty chapters of Robinson's Mediaeval and Modern Times.

Modern European History (one unit)

As much as is contained in Robinson's Mediaeval and Modern Times from chapter 21 to the end.

English History (one unit)

As much as is contained in Larned's or Cheyney's History of England.

American History with the Elements of Civil Government (one unit)

As much as is contained in Fiske's History of the United States, and Fiske's Civil Government.

Mathematics*Elementary and Intermediate Algebra (one and one-half units)*

I. Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

II. Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit)

The progressions; the elementary treatment of permutations and combinations; the use of four and five place tables of logarithms; undetermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit)

General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit)

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

Plane Trigonometry (one-half unit)

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

Physics

(One unit)

It is recommended that the candidate's preparation should include:

- a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

The laboratory note-book must be submitted for inspection, whether the candidate is admitted on certificate or by examination.

Chemistry

(One unit)

The candidate's preparation in chemistry should include:

- a. Individual laboratory work, comprising at least forty experiments of a character analogous to those set forth by the College Entrance Examination Board. The laboratory note-book must be submitted for inspection.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one modern text-book.

Requirements.—The ground to be covered should include the following: The chief physical and chemical characteristics, the isolation and the recognition of the following elements and the preparation and study of their principal compounds: *Oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur, phosphorus, silicon, potassium, sodium, calcium, magnesium, zinc, copper, mercury, silver, aluminum, lead, tin, iron, manganese, chromium.*

The more detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds, such as water, hydrochloric acid, carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen sulphide, sodium hydroxide, ammonium hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flame, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and on Boyle's and Charles' laws, symbols, formulas, equations and nomenclature, atomic theory, atomic weights, nascent state, natural groupings of the elements, solution (solvents and solubility of gases, liquids, and solids), strength of acids and bases, conservation and dissipation of energy, chemical energy and electrolysis, and of valence,

electrolytic dissociation, osmosis, mass action in a very elementary way. Chemical terms should be clearly understood, and the student should be able to illustrate and apply the ideas that they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts. The facts should be given as examples from various classes and not as isolated things.

Additional Subjects

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

Manual-training High School Subjects

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units)

Business High School Subjects

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

ADMISSION TO ADVANCED STANDING

Candidates for admission to advanced classes in any department are examined in all indispensable preliminary studies.

Due credit is given for properly certified courses of study pursued in other colleges and universities.

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September fifteenth. All Scholarships except the Kendall Scholarship and the University Scholarships are awarded for one year only but they may be renewed. Any student holding a scholarship who fails to obtain a general average of 85 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarship will be revoked. All scholarships

are awarded by the Faculty of Arts and Sciences on recommendation of its Committee on Scholarships and other University aid.

Scholarships for Competition

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.

Kendall Scholarship.—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington High Schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory, and graduation fees.

University Scholarships.—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington High Schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory, and graduation fees.

Scholarships for Assignment

Davis Scholarship.—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

Mary Lowell Stone Scholarship.—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

Maria M. Carter Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

Farnham Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

Withington Scholarship.—This scholarship was founded in 1830, by the New York Baptist Theological Seminary, to be known as the Withington scholarship. It has an annual stipend in tuition fees of sixty dollars.

Walker Scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Nellie Maynard Knapp Scholarship Fund.—Established in 1915 by the Columbian women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

Henry Harding Carter Scholarships.—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, consist of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Isabel Anderson Scholarship Fund.—A fund of \$1,000 given by Isabel (Mrs. Larz) Anderson, Litt.D., for the education of needy Filipino students. Students under this fund are nominated by the Bureau of Insular Affairs of the War Department.

The Byron Andrews Scholarship Fund.—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Admiral Powell Endowment.—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examination as warrant officers in the Engineer Department of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering

duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

	HOURS
Navigation and Nautical Astronomy	4
Algebra and Geometry	6
Trigonometry	3
Mechanical and Machine Drawing	8
English	6
French	6
German	6
Spanish	6
International Law	6
Commercial Geography	6
Boilers and Power Plants	3
Mechanical Laboratory	4
Electrical Engineering	6

Ministerial Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity, in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

University Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Departments of Arts and Sciences, whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

Columbian Women Loan Fund.—The Columbian Women have established a fund from which money is loaned to women students, preference being given to women who have already begun work in the University and who need assistance in continuing it. The administration of the fund remains with the Columbian Women.

PRIZES

(Only candidates for degrees may compete for these prizes)

Staughton and Elton Prizes.—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D.D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

Ruggles Prizes.—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Davis Prizes.—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, of ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

Daughters of the American Revolution Prizes.—These prizes founded by the Daughters of the American Revolution of the District of Columbia, consist of two gold medals, awarded annually to the two students in the graduating class who, having maintained a high standing in the regular courses in Mediaeval, Modern European, English, and American History during three years, shall produce the best essays upon an assigned topic of American history.

The Thomas F. Walsh Prize.—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the regular classes of Mediaeval, Modern European, English, and American History, shall produce the best essay upon a designated period of the History of England.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Willie E. Witch Prize.—The Willie E. Fitch Prize, for highest

excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.

The Gardiner G. Hubbard Memorial Prize.—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the classes of American History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Muth Prize.—Geo. F. Muth and Company offer a set of drawing instruments to the student who makes the highest record in Mechanical Drawing 1.

Colonial History Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

James Macbride Sterrett, Jr., Prize.—Founded by Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

The Chi Omega Prize in Philosophy.—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a philosophical subject to be announced at the close of the preceding academic year by the Committee in Charge. Essays must meet the requirements defined by the Committee and be submitted on or before April 1. Only women students who are members of a senior class in the Department of Arts and Sciences, and who are or have been registered in General Psychology, Logic, and the History of Philosophy, are eligible to compete.

Sigma Kappa English Prize.—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Fraternity to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Pi Beta Phi Prize in Political Science.—The Pi Beta Fraternity has set aside ten dollars as a prize for the best essay written

during the year by a student of political science on a subject approved by the instructor. The essays must be submitted by May first.

Pi Beta Phi Prize in Education.—An annual prize of ten dollars is offered by the Pi Beta Phi Fraternity for the best essay on an educational topic. The essays will be judged by a committee of three, consisting of the Professor of Education and two others designated by him. The essays must be submitted by May first.

Phi Mu Prize in Playwriting.—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

Sigma Kappa Prize in Chemistry.—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Fraternity to that student who passes the best examination in Chemistry 1, 2 and 23.

Davis Prize Speaking

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to the Dean of Columbian College not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee consisting of three members, selected by the Faculty of the Columbian College.

PRIZE AWARDS, 1917-1918

Davis Prizes.—First Prize, Elizabeth Peet; Second Prize, Lettie Ethel Stewart; Third Prize, Lyle Virginia Rush.

Daughters of the American Revolution Prizes.—Alma Hankey. Jane Elizabeth Herrmann.

Thomas F. Walsh Prize.—Samuel Poe Carden.

E. K. Cutter Prize.—Lettie Ethel Stewart.

Willie E. Fitch Prize.—Arthur Gebhart.

Gardner G. Hubbard Prize.—Warren Reed West.

Muth Prize.—Walter J. Kirby.

Chi Omega Prize in Philosophy.—Alexandra Louise Galeski.

Sigma Kappa Prize in English.—Agnes Josephine Gregory.

Pi Beta Phi Prize in Political Science.—King Chu.

HIGH SCHOOL SCHOLARSHIP AWARDS, 1917-1918

Kendall Scholarship.—A. R. Denison, McKinley Manual Training School.

First University.—Alice Fowler, Central High School.

Second University.—Mae A. Markley, Central High School.

Third University.—Elizabeth Earnest, Western High School.

Fourth University.—Genevieve Johnson, Central High School.

Fifth University.—W. L. Shearer, McKinley Manual Training School.

Sixth University.—Foster Hagan, Central High School.

COLLEGE CHAPEL

Chapel Services are held at 12.20 p. m., Monday, Wednesday, and Friday, throughout the academic year. The students are usually addressed at these services by some man or woman of national prominence. Among the speakers during the past term have been the following: Professor George L. Raymond; the Reverend Doctor Charles Wood; William Bruce King, Esq.; Harry C. Davis, Esq.; Mrs. Thomas F. Walsh; the Reverend Doctor James S. Lemon; Mr. John Galsworthy; Madame Slavko Grouitch, Miss Mabel Boardman; Senator Miles Poindexter; Mrs. George Barnett; Mrs. Albert S. Burleson; the Honorable Chauncey M. Depew; Miss Eliza R. Scidmore; Mrs. Larz Anderson; Mrs. Florence Jackson Stoddard; Mrs. Champ Clark; Miss Hannah Jane Patterson; the Honorable Frank W. Mondell; the Honorable Richard Olney; Mrs. Wm. K. Payne; Mrs. James Carroll Frazer, Hon. Maximo Kalaw; Hon. Jose Santos; Professor Inazo Nitobe; Hon. H. B. F. Macfarland.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will co-operate with them in all ways to make the college life one of personal helpfulness.

For catalogues, application blanks, and further information, address

THE RECORDER,
The George Washington University,
2023 G Street, Washington, D. C.

FEES

- | | |
|---|-----|
| 1. Annual registration fee | \$2 |
| 2. Tuition fee for each semester-hour credit of courses leading to the degrees of A.B., S.B., A.M., S.M., C.E., E.E., M.E. | 6 |
| The maximum fee charged in any one year is \$180 | |
| 3. Tuition fee per annum for graduate courses leading to the degree of Ph.D. | 180 |

4. Registration fee for students taking problems of the Beaux Arts Society	2
5. Laboratory courses: Material fees:	
Experimental Psychology	2
Geology 1, Zoology, Botany, each	5
Chemistry 2, 3, 7, 28, and 30; Electrical Engineering; Physics, each	10
Chemistry 4 (Assaying)	20
Chemistry 8	5
Chemistry, 20, 21 and 25, each	25
Deposits to cover breakage of apparatus issued, the amount paid in excess of breakage to be returned:	
Chemistry, 2, 3, 7, 8, 28 and 30, each	10
Chemistry, 20	15
Chemistry, 21, and 25, each	20
6. Microscope rental in Botany and Zoology 1	5
7. Tuition fee for the following special course, not taken by candidates for a degree:	
Chemistry 4 (Assaying)	40
8. Fee for certificates under the seal of the University ...	2
9. Fee for graduation	10

The above fees are for students entering in September 1918 or afterwards. Students who were in attendance in 1917-18 will pay fees according to the announcements in the catalogue for 1917-18, published in March 1917.

Students are registered for the college year unless otherwise stated on the registration paper. No registration will be accepted for less than a half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. *Withdrawals during a half-year will be granted only on recommendation of the Dean and the approval of the President.*

PAYMENT OF FEES

Registration, library, and other special fees, and laboratory deposit are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance. Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for \$200, for which a charge of \$3. will be made. In every instance all indebtedness must be discharged on or before May 1 of the current academic year. All fees are payable at the office of the Treasurer of the University, 2101 G Street.

COLUMBIAN COLLEGE

ADMISSION

Candidates for admission to the Freshman Class in Columbian College must meet the general admission requirements (p. 44) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirement must include English, 3 units; Mathematics, 2½ units; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirements is elective and may be satisfied in general by any accredited secondary school subjects.

For admission to advanced standing or as special students, see (p. 51.)

REQUIREMENTS FOR DEGREES

The undergraduate degrees offered by Columbian College are Bachelor of Arts, and Bachelor of Science in Medicine. To be recommended for either of these degrees, the student must satisfy the admission requirements, and must complete at least one-hundred and twenty semester-hours of undergraduate courses at least twenty-four semester-hours of which (or twelve semester-hours in the combined courses), must be completed in Columbian College. A "semester-hour" of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed.

The class hours are so arranged that persons who can give only part time to college work may complete a full college course and obtain a degree. Such students usually take six years to complete the course. Classes in required and elective subjects are scheduled in the two class periods from five-ten o'clock to six-fifty. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

One grade of special distinction is recognized in awarding the bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least B (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the Department in which the student shall be studying for a degree, after the completion of all final examinations in such students' final year of study for their degree;

"That the Faculty, after separate consideration of each indi-

vidual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester-hours including a group of prescribed subjects.

There are six curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

The studies of the last two years are largely elective, subject to such administrative supervision as will insure the general consistency and the liberal character of the courses selected.

The scope of the six curriculum groups is a provision alike for the diversity in the subjects of the secondary school curriculum leading to a college course, and the needs of the various graduate and professional courses of study in the University for which the college course is a preparation.

Group I emphasizes Latin and Greek studies, and it would naturally be taken by students whose preparatory work has included four years of Latin or two years of preparatory Latin supplemented by "Latin B" in college.

Group II emphasizes the Modern Languages, affording to students whose preparation has not included Latin the humanistic influences of the literatures of the Modern Languages.

Group III emphasizes Mathematics and the Natural Sciences, and would naturally be selected by the student whose college preparation has been scientific rather than literary.

Group IV emphasizes Political Science and Economics and History, constituting important preparation for the Law School or the public service.

Group V includes all the pre-medical subjects and is specially constituted as a regular college course in preparation for the Medical School.

Group VI emphasizes Commerce and kindred subjects in preparation for commercial life or the public service.

(NOTE—Whenever in the following groups French or German is taken, if it is elementary, the same language shall be continued the succeeding year.)

Group I, Latin

	SEMESTER HOURS
Latin*	12
Foreign Languages	18
English	12
History	6
Mathematics	6
Philosophy	6
Electives	60
	120

Group II, Modern Languages

	SEMESTER HOURS
Modern Languages	24
English	12
History	12
Philosophy	12
Political Science	6
Natural Science	6
Electives	48
	120

Group III, Natural Science

	SEMESTER HOURS
Natural Science	18
Mathematics	12
English	6
Modern Languages	12
Philosophy	6
Economics	6
Electives	60
	120

*Students who offer only the two elementary units of Latin for admission may qualify for Group I by taking "Latin B" in college (see p. 95), but this will not be counted as a part of the twelve semester-hours of Latin required in this Group.

Group IV, Political Science

	SEMESTER HOURS
Political Science and Economics	18
History	12
Commerce	6
English	6
Modern Languages	12
Mathematics	6
Philosophy	6
Electives	54
	120

Group V, Pre-Medical

	SEMESTER HOURS
Chemistry, 1, 2 and 7	14
Physics, 3 and 2	10
Zoology, 1 and 2	12
English	6
Modern Languages (preferably French or German) ..	12
Philosophy (including Psychology)	6
Mathematics	6
Electives	54
	120

Group VI, Commerce

	SEMESTER HOURS
Commerce	16
Economics	10
Political Science and History	18
English	6
Modern Languages	12
Mathematics	6
Philosophy (including Psychology)	6
Electives	46
	120

**SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS
AND BACHELOR OF LAWS**

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On

the completion of ninety semester hours of work in college, at least twelve semester-hours of which must be taken in Columbian College, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

**SEVEN-YEAR COURSE FOR THE DEGREE OF BACHELOR OF ARTS
AND DOCTOR OF MEDICINE**

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of credit in college, at least twelve semester hours of which must be taken in Columbian College including all of the required subjects in some one of the curriculum groups, preferably Group V, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirement for entrance into the Consular and Diplomatic Service, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher positions in the service to which he may be appointed.

Regular students who are preparing for the Government Service should register for Group IV or Group VI, of the curriculum requirements for the degree of Bachelor of Arts, and should elect, also, the subjects named in Section 2 of the "Regulations Governing Examinations Promulgated by the Board of Examiners, December 13, 1906."

Special students who are preparing for the Consular Service examinations should register for such courses as relate to subjects named in Section 2, of the Government Regulations.

**REGULATIONS GOVERNING EXAMINATIONS PROMULGATED BY
THE BOARD OF EXAMINERS, DECEMBER 13, 1906***

Section 2 reads as follows: The examinations will consist of an oral and a written one, the two counting equally. The object

*As amended by Board of Examiners, February 18, 1911

of the oral examination will be to determine the candidate's business ability, alertness, general contemporary information, and natural fitness for the service, including moral, mental, and physical qualifications, character, address, and general education and good command of English. In this part of the examination the applications previously filed will be given due weight by the Board of Examiners, especially as evidence of the applicant's business experience and ability. The written examination will include those subjects mentioned in the Executive order, to wit, at least one modern language other than English—French, German, or Spanish;* the natural, industrial, and commercial resources and the commerce of the United States, especially with reference to possibilities of increasing and extending the foreign trade of the United States; political economy, and the elements of international, commercial, and maritime law. It will likewise include American history, government, and institutions; political and commercial geography; arithmetic (as used in commercial statistics, tariff calculations, exchange, accounts, etc.); the modern history, since 1850, of Europe, Latin America, and the Far East, with particular attention to political, commercial, and economic tendencies. In the written examination, composition, grammar, punctuation, spelling, and writing will be given attention.

Students who seek a designation for consular and diplomatic examination should apply to the Department of State for full information. Consular service examinations are held in Washington only.

SUGGESTIONS FOR FRESHMAN COURSES IN THE CURRICULUM GROUPS

Group I, Latin

Latin 1 or "B", English, History, Mathematics, French or German.

Group II, Modern Languages

French, German, English, History, Chemistry 1 (or Chemistry 1 and 2.)

French or German, Spanish, English, History, Mathematics.

French or German, Spanish, English, Political Science, Zoology.

Group III Natural Science

Chemistry 1 and 2, Mathematics, English, French, German or Spanish, Economics.

Group IV, Political Science

Political Science, History, English, French or German, Mathematics.

Economics, Political Science, English, Mathematics, Spanish.

Economics, English, History, Mathematics, Spanish.

Group V, Pre-Medical

Chemistry 1 and 2, Zoology 1, English, French or German, Mathematics.

Group VI, Commerce

Economics, Commerce, English, French or Spanish, Political Science or History, Mathematics.

GENERAL SUGGESTIONS

English Rhetoric (1 or 2) is required in every curriculum group. Mathematics is required in every group except the second, History should begin with Mediaeval history, Modern Languages should be taken in a sequence of at least two years in the same language. Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

The specified subjects in the selected group should be taken in the earlier part of the college course leaving the electives for the later years. Subjects should be chosen with view to an even distribution through the days of the week. Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at five-ten o'clock or at six o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for four o'clock.

Fifteen hours a week is a standard amount of work for completing the college course in four years. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

Detailed information about fees is given on page 58.

FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

Six-year Course for the Degrees of Bachelor of Science in Medicine and Doctor of Medicine

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the Freshman and Sophomore years in college, including the pre-medical requirements, is as follows:

Freshman Year

	SEMESTER HOURS
Chemistry 1 and 2	10
English 1 or 2	6
French or German	6
Mathematics	6
Zoology 1	6
	34

Sophomore Year

	SEMESTER HOURS
Chemistry 7 and 23	8
French, German or Spanish	6
Philosophy (including Psychology)	6
Physics 3 and 2	10
Zoology 2	6
	36

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

First Year

	SEMESTER HOURS
Chemistry 1 and 2	10
English 1 or 2	6
Zoology 1	6
Electives	8
Total semester hours	30

Second Year

	SEMESTER HOURS
Physics 3 and 2	10
Zoology 2	6
Chemistry 7	4
Electives	10
Total semester hours	30

Note.—The Council on Medical Educational of the American Association states:—"Of the 60 semester hours required as the measurement of 2 years work, at least 18, including the 6 semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

COLLEGE OF ENGINEERING

ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering and Chemical Engineering Courses are required to present fifteen units for admission, distributed as follows:

	UNITS
English	3
French, German or Spanish	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Chemistry	1
Physics	1
Electives	4
Total	15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

	UNITS
English	3
French, German or Spanish	2
Plane Geometry	1
Elementary and Intermediate Algebra	1½
Chemistry	1
Elective	6½
Total	15

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

	UNITS
English	3
French, German or Spanish	2
Plane and Solid Geometry	1½
Elementary and Advanced Algebra	2
Plane Trigonometry	½
Electives	6
Total	15

For detailed descriptions of the requirements in each preparatory subjects see pages 45-51.

For admission to advanced standing or as a special student, see page 51.

COURSES FOR A DEGREE

Six courses of study are offered:

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. MECHANICAL ENGINEERING.
- IV. CHEMICAL ENGINEERING.
- V. CHEMISTRY.
- VI. ARCHITECTURE.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry and in Architecture, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate engineering degrees, and lead, respectively, to the degrees of Civil Engineer, Electrical Engineer, and Mechanical Engineer.

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from five o'clock to six-forty; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

REQUIREMENTS FOR A DEGREE

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 84, to which reference should be made for more complete description.

CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Freshman Year

SEMESTER-HOUR

CREDITS

Chemistry, 1, 7 10

General Chemistry and Qualitative Analysis.

SEMESTER-HOUR
CREDITS

English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6
Mechanical Drawing, 1	4
Mechanical Drawing.	
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	

Sophomore Year

Civil Engineering, 1, 3, 4	12
Surveying; Highway Engineering; Materials of Construction	
Commerce, 33	4
Commercial Law.	
Mechanical Drawing, 8	3
Descriptive Gometry.	
Mathematics, 20 or 21	6
Calculus.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	

Junior Year

Applied Mathematics, 20, 21, 22	12
Mechanics; Hydraulics, Mechanics or Materials.	
Astronomy, 2	2
Practical Astronomy.	
Chemistry, 6	2
Metallurgy.	
Civil Engineering, 2, 22	16
Railroad Engineering; Theory of Structures.	
Electrical Engineering, 6	2
Industrial Electricity.	
Geology, 21	4
Engineering Geology.	

Senior Year

Civil Engineering, 21, 23, 24, 27, 28	30
Hydraulic Engineering; Theory of Structures; Sanitary Engineering; Reinforced Concrete; Masonry.	
Elective	6

ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Freshman Year

Identical with the Civil Engineering Course

Sophomore Year

SEMESTER-HOUR
CREDITS

Civil Engineering, 4	2
Materials of Construction.	
Commerce, 33	4
Commercial Law.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Drawing, 2, 8	7
Machine Drawing; Descriptive Geometry.	
Mechanical Engineering, 1	8
Mechanism.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	

Junior Year

Applied Mathematics, 20, 21, 22	12
Mechanics; Hydraulics; Mechanics of Materials.	
Chemistry, 6	2
Metallurgy.	
Electrical Engineering, 1, 2, 4, 5	14
Elementary Electricity and Electrical Engineer- ing; Electrical Measurements; Electrical Engi- neering Laboratory.	
Mechanical Engineering, 9, 20	8
Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories.	

Senior Year

Civil Engineering, 5, 6	2
Surveying Instruments; Foundations.	
Electrical Engineering, 21, 22, 23, 24, 26, 27	22
Alternating Currents; Electrical Distribution; Electrical Applications; Electrical Engi- neering Laboratory; Electric Lighting; Elec- tric Railways.	
Mechanical Engineering, 10, 23	4
Engineering Laboratory; Hydraulic Machinery.	
Electives	7

**MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

Freshman Year

Indential with the Civil Engineering Course

Sophomore Year

SEMESTER-HOUR

CREDITS

Civil Engineering, 4	2
Materials of Construction.	
Commerce, 33	4
Commercial Law.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Drawing, 2, 8	7
Machine Drawing; Descriptive Geometry.	
Mechanical Engineering, 1	8
Mechanism.	
Physics, 1, 2	10
General Physics; Laboratory Physics.	

Junior Year

Applied Mathematics, 20, 21, 22	12
Mechanics; Hydraulics; Mechanics of Materials.	
Civil Engineering, 22	5
Theory of Structures.	
Mechanical Engineering, 9, 20, 24, 26, 27	16
Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories; Ad- vanced Mechanism, Dynamics of Machinery; Power Plant Problems.	
Electrical Engineering, 2	6
Dynamos and Motors.	

Senior Year

Chemistry, 6	2
Metallurgy.	
Civil Engineering, 5, 6	2
Surveying Instruments; Foundation.	
Electrical Engineering, 4, 5	4
Electrical Laboratory.	
Mechanical Engineering, 10, 11, 23, 25, 28, 29, 30, 31	21
Engineering Laboratory; Hydraulic Machinery; Machine Design; Industrial Management; Heating and Ventilating; Gas Engines; Steam Turbines.	
Electives	3

CHEMICAL ENGINEERING COURSE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Freshman Year

SEMESTER-HOUR

CREDITS

Architecture 2	2
Free hand Drawing.	
Chemistry, 1, 2	10
General Chemistry; Laboratory Practice.	
English, 1 or 2	6
Rhetoric.	
French, German or Spanish	6
Mathematics, 9 or 12	6
Trigonometry; Analytic Geometry.	
Mechanical Drawing, 3	4
Mechanical Drawing.	

Sophomore Year

Chemistry, 3, 20	10
Chemical Laboratory; Qualitative Analysis.	
Geology 1	4
Mineralogy.	
Mathematics, 20 or 21	6
Calculus.	
Mechanical Engineering, 1	8
Mechanism.	
Physics 1 and 2	10
General Physics, Physics Laboratory.	

Junior Year

Applied Mathematics 20, 22	8
Mechanics; Mechanics of Materials.	
Chemistry 6, 21, 23	14
Metallurgy; Quantitative Analysis; Organic Chemistry.	
Commerce, 33	4
Commercial Law.	
Electrical Engineering 1	4
Elementary Mathematical Theory of Electricity.	
Mechanical Engineering 20	6
Thermodynamics, Steam Boilers and Power Plant Accessories.	

Senior Year

Chemistry 24, 25, 26, 29	22
Organic Chemistry; Organic Laboratory; Physical Chemistry; Industrial Chemistry.	
Mechanical Engineering, 9, 10	4
Mechanical Laboratory.	
Electives	6

CHEMICAL COURSE LEADING TO THE DEGREE OF BACHELOR OF
SCIENCE IN CHEMISTRY

Freshman Year		SEMESTER-HOUR CREDITS
Architecture 2	Freehand Drawing.	4
Chemistry, 1, 2	General Chemistry; Laboratory Practice.	10
English 1 or 2	Rhetoric.	6
French, German or Spanish		6
Mathematics 3 or 6	College Algebra; Solid Geometry; Elementary Trigonometry.	6
Mechanical Drawing 4	Mechanical Drawing.	2
Sophomore Year		
Chemistry 3, 20	Chemical Laboratory; Qualitative Analysis.	10
French, German or Spanish		6
Mathematics 9 or 12	Trigonometry; Analytic Geometry.	6
Physics 1 and 2, or 2 and 3	General Physics; Physics Laboratory.	10
Electives		4
Junior Year		
Chemistry 21, (4), 23	Quantitative Analysis; Organic Chemistry.	12
Commerce, 33	Commercial Law.	4
French, German or Spanish		6
Geology 1	Mineralogy.	4
Mathematics 20 or 21	Calculus.	6
Electives		4
Senior Year		
Chemistry 6, 24, 25, 26, 27	Metallurgy; Organic Chemistry; Organic Labora- tory; Physical Chemistry; Stereo-Chemistry.	22
Geology 2	General Geology.	4
Electives		8

COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE OF ARCHITECTURE

Freshman Year		SEMESTER-HOUR CREDITS
Architecture, 2, 3, 4	Free-hand Drawing; Architectural Drawing and Elementary Design; Projections, Shades Shadows and Perspective.	14
English, 1 or 2	Rhetoric.	6
French		6
Mathematics, 9 or 12	Trigonometry; Analytic Geometry.	6
Sophomore Year		
Architecture, 5, 6, 8	Architectural Design; Free-hand Drawing; His- tory of Architecture.	18
English, 5	English Literature.	6
French		6
Geology, 2		4
Junior Year		
Architecture, 20, 21, 22, 24, 25, 33, 41	History of Architecture; Building Construction; Sanitation; Pen and Ink Rendering; Design; Water Color, Heating and Ventilating.	30
Physics, 1 or 3	General Physics.	6
Senior Year		
Architecture, 27 or 37, 28, 39, 40, 43, 44	Design; History of Painting and Sculpture; Build- ing Construction; Water Color; Office Prac- tice; Advance Construction.	30
Commerce, 33	Commercial Law.	4
Electrical Engineering, 26	Electric Lighting and Illumination.	2
Electives		2

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree,

to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

FEES

The annual tuition fee for a student taking courses aggregating fifteen or more hours a week throughout the year is one hundred and eighty dollars. Part time students pay in accordance with the amount of work taken, the fee being six dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on page 58.

Fees for students who entered previous to September, 1918, are as stated in the catalogue published in March, 1917.

TEACHERS COLLEGE

The purpose of Teachers College is to provide (a) collegiate training for teachers, (b) instruction in education as a department of science.

The aims of the Teachers College may be summarized as follows:

a. To promote the knowledge of educational science.

b. To fit students for the higher positions in the public school service.

c. To secure to teaching the rights and prerogatives of a profession.

d. To aid in raising the standards of educational practice, and so to increase the efficiency of public education.

ORGANIZATION

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full time and part time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

Candidates for admission to the Freshman Class in Teachers College must meet the general admission requirements (p. 44) of fifteen units. *Three of these must be in English, two and one-half in Mathematics, and two in one of the following languages; Latin, Greek, French, German, or Spanish.* The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

Persons desirous of taking work without becoming candidates for a degree, may be admitted as *special students* on the presentation of satisfactory evidence that they are qualified to pursue the work to advantage.

ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester-hours of advanced standing.

For further information concerning admission as special student or to advanced standing, see p. 51.

GRADUATION

On the completion of courses of study aggregating a minimum of one hundred and twenty-four semester-hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. These courses are partly prescribed and partly elective, and the degree is conferred when the necessary work has been completed, no time limit being set. The prescriptions are as follows:

a. In general culture subjects:

	SEMESTER HOURS
Biology*	6
English	6
Foreign Language*	12
History*	12
Psychology and Logic	6
Philosophy	6

For the subjects marked with an asterisk (*) electives may be substituted to the extent that approved secondary school work has been done in them. The foreign language requirement must fall in one language, while in history it is required that a survey of the world's history be obtained.

b. In professional subjects the following twenty semester-hours are prescribed, although teachers of experience may receive credit for Observation and Practice Teaching.

	SEMESTER HOURS
History of Education	4
Principles of Education	4
Principles of Teaching	4
School Hygiene	2
Observation and Practice Teaching	4
Electives in Education	6

Graduates of approved normal schools may satisfy the requirement in the professional subjects by the completion of twelve semester-hours exclusive of the credits for Observation and Practice Teaching. These hours are elective with the advice and consent of the Dean.

c. All regular students must complete before graduation at least eighteen semester-hours in a major, and at least ten semester-hours in a minor subject, in addition to the first required course, if any, in the same subject.

THE TEACHER'S DIPLOMA

The Bachelor's Diploma in Education is granted in connection with the Bachelor of Arts degree (or, to students without experience in teaching, in connection with higher degrees) upon the fulfillment of the following condition: (1) The student must have satisfactorily completed the courses of study defined above. (2) He must, in the judgment of his instructors, also possess other qualifications essential to success in teaching.

A diploma corresponding to the degree is given also in connection with higher degrees, provided a graduate student has taken a major or minor in Education, has satisfied the requirements *a*, *b* and *c* above, and has had at least two years of successful experience in teaching.

A student holding a degree from an approved college or university may, by satisfying requirements *a*, *b* and *c* above, earn a diploma without registering for a degree.

OBSERVATION AND PRACTICE TEACHING

Through the courtesy of the officials of the public schools, opportunities for observation and teaching are given in the high and elementary schools of Washington.

EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

TEACHERS APPOINTMENT BUREAU

Teachers College maintains a Teachers Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.

SCHEDULE OF CLASSES
IN
COLUMBIAN COLLEGE AND TEACHERS COLLEGE
MONDAY - WEDNESDAY - FRIDAY

<i>Course</i>	<i>Instructor</i>
9.15 Education 20 ..Principles of Teaching	Ruediger
Mathematics 3 ..Alg.; Geom.; Trig.	Erwin
10.15 English 22 Shakespeare's Tragedies	Wilbur
French 3 Second Year French	Henning
German 20 Literature	Schoenfeld
Greek A Elementary Greek	Smith
Mathematics 9 .Trig.; Analytic Geom.	Erwin
Philosophy 1, 3 .Psychology; logic	Ruediger
Pol. Science 1, 3 U. S. Govt.; State Govts.	Hill
Spanish 3 Second Year Spanish	Doyle
11.15 Economics 1 ...General Economics	Kern
German 3 Second Year German	Schoenfeld
Greek 2 Xenophon, etc.	Smith
Pol. Sci. 27, 28 International Relations	Hill
1.45 German 7 Third Year German	Schoenfeld
Latin 1 Livy, etc.	Smith
Physics 3 General Physics	Brown
Spanish 1 First Year Spanish	Doyle
2.45 Greek 1 Herodotus, etc.	Smith
History 1, 2 ...Medieval History	Swisher
3.45 French 5 19th-17th Century	Henning
History 3, 4 ...European History	Swisher
Latin 2 Cicero, etc.	Smith
4.00 English 28 Humanistic Studies	Croissant
Spanish 22 Literature	Doyle
5.10 Commerce 40, 42Ind. His. of U. S.; World Pol.	Kochenderfer
English 2 Rhetoric	Wilbur
English 31 Journalism	Croissant
French 7 Conversational	Teillard
French 55 17th Century Literature	Henning
German 22 Literature	Schoenfeld
History 25 English History	Churchill
Mathematics 4 .Algebra; Trig.	Hodgkins, H.G.
Philosophy 2, 4 .Psychology; logic	Ruediger
Physics 1 General Physics	Brown
Pol. Sci. 29, 30 International Law; Diplo.	Hill
Portuguese 1 ..First Year Course	Countinho
Russian 2 First Year Course	Leviton
Spanish 2 First Year Spanish	Doyle
Zoology 1 Invertebrates	Bartsch

*Course**Instructor*

6.00 Commerce 36 ...	Commercial Geography	Kochenderfer
Economics 2 ..	General Economics	Kern
English 33	American Literature	Croissant
French 2a	First Year French	Cullom
German 4	Second Year German	Schmidt
History 30, 31 ..	Amer. Constitutional Hist.	McArthur
Mathematics 6 ..	Alg., Geom., Trig.	Hodgkins, H.G.
Mathematics 12	Trig., Analytic Geom.	Erwin
Physics 22	Light	Brown
Russian 4	Second Year Course	Leviton
Spanish 2	First Year Spanish	Jones
Spanish 7	Spanish Conversation	Soldana
Zoology 2	Vertebrates	Bartsch

TUESDAY - THURSDAY - SATURDAY

9.15 Commerce 41, 43	Ind. Hist. of U. S.; World P.	Kochenderfer
English 5	Survey	Croissant
French 1	First Year French	Doyle
History 21	Ancient History	Kayser
Mathematics 21	Calculus	Hodgkins, H I.
10.15 English 1	Rhetoric	Wilbur
English 27	Humanistic Studies	Croissant
Mathem. 24, 25 ..	Theory of Equations, etc.	Erwin
Philoso. 20, 21 ..	Hist. of Phil.; Ethics	Richardson
11.15 English 31	Journalism	Croissant
German 1	First Year German	Schoenfeld
History 20	American History	Alden
Latin B	Cicero and Vergil	Smith
5.10 Architecture 8 ..	History of Architecture	Bibb
Botany 1	General Botany	Harrington
Chemistry 1	General Chemistry	McNeil
Commerce 20, 47	Princ. of Business; Transp.	Kochenderfer
Ethnology 50	General Introduction	Michelson
French 2c	First Year French	
French 4	Second Year French	Henning
German 2	First Year German	Schmidt
German 8	Third Year German	Schoenfeld
History 34	Contemporary History	Swisher
Mathematics 20	Calculus	Hodgkins
Mathem. 54, 55	Functions	Erwin
Pol. Sci. 21, 22 ..	European Governments	Hill
Portuguese 4	Second Year Portuguese	Coutinho
Spanish 4	Second Year Spanish	Doyle
6.00 Architecture 20	History of Architecture	Bibb
French 2b	First Year French	Cullom
French 6	Literature	Henning
German 6	Second Year German	Schmidt
History 31, 32 ..	Modern European History	Swisher
Mathem. 12b	Trig., Analytic Geom.	Erwin
Pol. Science 2, 4	U. S. Govt., State Govts.	Hill
Portuguese 6	Third Year Portuguese	Coutinho
Spanish 6	Third Year Spanish	Doyle

TUESDAY AND THURSDAY

<i>Course</i>	<i>Instructor</i>
10.15 Latin 21 Quintilian, etc.	Smith
Physics 2 Laboratory Physics	Brown
11.15 Astronomy 1 .. Popular Astronomy	Erwin
1.15 Chemistry 2 .. Laboratory Practice	McNeil
to Chemistry 3 .. Organic Chemistry	McNeil
4.15 Chemistry 7 .. Qualitative Analysis	McNeil
1.45 Greek 21 Demosthenes, etc.	Smith
4.00 Architecture 28 Sculpture and Painting	Bibb
Classical Lit. 2 .. Latin Literature	Smith
Education 22 .. History of Education	Ruediger
5.10 Economics 22 23 Sociology	Kern
English 55 Shakespeare	Wilbur
Education 50 ... Seminar	Ruediger
Philosophy 24 .. History of Philosophy	Richardson
6.00 Commerce 33 .. Commercial Law	Alden
Economics 27, 26 Banking; Finance	Kern
7.00 Chemistry 2 .. Laboratory Practice	McNeil
to Chemistry 3 .. Organic Chemistry	McNeil
10.00 Chemistry 7 .. Qualitative Analysis	McNeil
7.30	
to Physics 2 Laboratory Physics	Brown
9.30	

THURSDAY AND SATURDAY

6.10 Chemistry 24 .. Organic Chemistry	Swett
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MONDAY AND WEDNESDAY

4.00 Education 29 .. Story Telling	Albion
5.10 Education 25 .. Secondary Education	Small
Ethnology 51 .. North American	Michelson
5.50 Philoso. 29, 22 .. Problems; Ethics	Richardson
6.10 Chemistry 26 .. Physical Chemistry	McNeil
7.00 Chemistry 8 ... Organic Chemistry	McNeil

MONDAY AND FRIDAY

9.15 Economics 43, 44 Trust; Labor Problems	Kern
11.15 Mathematics 50 Differential Equations	Hodgkins
4.00 Geology 21 Engineering Geology	Resser
5.10 Geology 1 Mineralogy	Bassler
Geology 20 Economic Geology	Bassler
6.00 Geology 2 Geology	Bassler
Portuguese 3 ... History of Literature	Coutinho

WEDNESDAY AND FRIDAY

4.00 Archaeology 20 History of Art	Carroll
5.00 Chemistry 23 .. Organic Chemistry	Swett

TUESDAY

6.10 Chemistry 6 ... Metallurgy	McNeil
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WEDNESDAY

*Course**Instructor*

- 5.10 Geology 3 Geography
 Philosophy 27 .. Recent Phil. Movements
 6.00 Geology 4 Physiographic Geography
 Polit. Sci. 26 .. Brazil

Resser
 Richardson
 Resser
 Coutinho

THURSDAY

- 2.45 Latin 22 Latin Composition

Smith

SATURDAY

- 9.15 Education 21 .. Principles of Education
 to Education 28 .. Experimental Education
 11.15
 11.15 History 33 Current History

Ruediger
 Symonds

 Swisher

COURSES OF INSTRUCTION

PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First-section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the bachelor's degree; they serve, however, with additional work, as minors for the higher degrees, provided they have not already counted toward a degree. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergraduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First-section courses are numbered 1 to 19, inclusive; second-section courses 20 to 49, inclusive; third-section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in Chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing-rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science or for the graduate degrees of Master of Arts and Master of Science or for the graduate degrees in engineering.

APPLIED MATHEMATICS

Second Section. For Undergraduates and Graduates

20. *Analytical and Applied Mechanics.* (1) Statics: including

composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits. Mr. PARSONS.

21. *Hydraulics*.—The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Assistant Professor LAPHAM.

22. *Mechanics of Materials and Theory of Elasticity*.—Including elastic and ultimate strength and deformation: simple cantilever and continuous beams, columns, torsion; combined stresses; compound columns and beams, including reinforced concrete; resilience; work; fatigue; mathematical theory of elasticity. Four hours, second half-year. Four semester-hour credits. Mr. PARSONS.

ARCHAEOLOGY AND HISTORY OF ART

Second Section. For Undergraduates and Graduates

20. *History of Art*.—An introductory course in the history of Architecture, sculpture and painting. Prehistoric, Classical and Renaissance, illustrated by photographs, lantern slides and casts. Wed., Fri., at 4. Four semester-hour credits. Professor CARROLL.

Third Section. Primarily for Graduates

50. *Pro-Seminary of Art and Archaeology*. a. Prehistoric Art and Archaeology. Six semester-hour credits. Professor CARROLL. b. History and Appreciation of Painting. Illustrated lectures on the schools of painting from the Renaissance down to the American School. Supplemented by courses of reading and visits to galleries in Washington and neighboring cities. Six semester-hour credits. Dr. BRIGHAM.

51. *American Archaeology*.—In conjunction with the School of American Archaeology in Santa Fe. Six semester-hour credits. Professor CARROLL and Dr. HEWETT.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

ARCHITECTURE

2. *Freehand Drawing*.—This course consists of drawing, in charcoal from casts of simple form. Two periods. Four-semester-hour credits. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

3. *Architectural Drawing and Elementary Design*.—This course includes the study of the elements of Architecture including the Five Orders, the use of india ink and water color rendering. At least nine hours per week are to be spent by the student in the drafting room. Six semester-hour credits.

Criticisms by Assistant Professor BROWN on Tuesday, Wednesday and Friday evenings.

4. *Projections, Shades, Shadows and Perspective*.—A course in orthographic projections, shades and shadows, followed by a short course in the elements of perspective. Two periods. Four semester-hour credits.

Criticisms by Assistant Professor BROWN on Wednesday evenings.

5. *Design*.—Problems of an elementary character are given to prepare the student for work in the Class B order of the Society of Beaux-Arts Architects; the rendering of these problems of this Society. At least twelve hours per week are to be spent by the student in the drafting room. Criticisms by Assistant Professor BROWN on Tuesday, Thursday and Friday evenings. Eight semester-hour credits.

6. *Free Hand Drawing*.—An advanced course in drawing from cast and life. Two periods. Four semester-hour credits. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

8. *History of Architecture*.—The course is designed to trace the development of the art in Ancient Egypt, in Greece, and in Rome, and through the Byzantine, and Mediaeval periods. Tu., Th., Sat., at 5.10. Six semester-hour credits. Professor BIBB.

Second Section. For Undergraduates and Graduates

20. *History of Architecture*.—A study of the architecture of the Renaissance in its relation to Ancient and to Modern Architecture. Tu., Th., Sat., at 6.00. Six semester-hour credits. Professor BIBB.

21. *Building Construction*.—Frame buildings, details of construction, interior finish, three-fourths scale and full size details. Wed., Fri., at 6.00 and two periods in drawing room; first half-year. Four semester-hour credits. Professor HARRIS.

22. *Sanitation*.—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal, septic tank, sewage disposal fields, etc. Wed., Fri., at 5.10; first half-year. Two semester-hour credits. Professor HARRIS.

24. *Pen and Ink Rendering*.—A study of the renderings of the

best pen and ink draftsmen with practice in the use of the pen as a means of Architectural expression. One period. Two semester-hour credits.

Hours of criticism selected by conference with Assistant Professor BROWN.

25. *Design*.—Plan problems, sketch problems, and archaeology problems from the Class B Plan programs of the Society of Beaux-Arts Architects. At least fifteen hours a week are to be spent by the student in the drafting room. Ten semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

27. *Advanced Design*.—Plan problems and sketch problems are given from the class A programs of the Society of Beaux-Arts Architects. The latter part of the year is devoted to a thesis, the subject being selected by the student subject to the approval of the Professor of Design. At least eighteen hours a week are to be spent by the student in the drafting room. Twelve semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

28. *History of Sculpture and Painting*.—An advanced course offering a comparative study of the development of art as the expression of civilization; an outline of the lives of great artists and a critical analysis of their achievement. *Tu., Th.*, at 4.00. Four semester-hour credits. Professor BIBB.

33. *Water Color*.—A course of drawing in water color from still life and from buildings and gardens. Two periods. Four semester-hour credits. Professor BIBB.

39. *Building Construction*.—Masonry foundations, pile foundations, stone work, brick work, fire-proofing, ornamental terra cotta, plastering, specifications. *Wed., Fri.*, at 6.00 and two periods in the drawing room; second half-year. Four semester-hour credits. Professor HARRIS.

40. *Water Color*.—An advanced course in water color drawing including studies from life. Two periods. Four semester-hour credits. Professor BIBB.

41. *Heating and Ventilating*.—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. *Wed., Fri.*, at 5.10; second half-year. Two semester-hour credits. Professor HARRIS.

43. *Office Practice*. A course of lectures on office practice, business methods of an architect and special types of buildings by the teaching staff and practicing architects of the District of Columbia. Two semester-hour credits.

44. *Advanced Construction*.—A course arranged especially for

architectural students, embracing problems in the determination of beam sizes, girder and column design, grillage beam footings and the design of the simpler forms of trusses. Four semester-hour credits. Professor HARRIS.

ASTRONOMY

First Section. Primarily for Undergraduates

1. *Popular Astronomy*.—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. Tu., Th., at 11.15. Four semester-hour credits. Professor ERWIN.

2. *A Course in Practical Astronomy for Civil Engineering Students*.—Special attention is given to the methods of determining latitude, longitude, azimuth and time with the engineer's transit. Two hours during one term. Two semester-hour credits. Assistant Professor LAPHAN.

Third Section. Primarily for Graduates

58. *Celestial Mechanics*.—Theory of central forces; theory of parabolic and elliptic orbits. Lectures, with reading from the works of Gauss, Oppolzer, and Moulton. Six semester-hour credits. Professor HALL.

ASTRO-PHYSICS

Third Section. Primarily for Graduates

54. A lecture course on the astro-physical instruments employed in modern research. Mr. FOWLE.

BIOLOGICAL SCIENCE

Botany

First Section. Primarily for Undergraduates.

1. *General Botany*.—An introductory course dealing with the fundamental concepts of plant life. Representative members of the different groups of plants will be studied, and lines of evolutionary development will be emphasized. Lecture, Th., at 5.10, laboratory, Tu., and Sat., 5.10—6.50. Six semester-hour credits. Mr. HARRINGTON.

Third Section. Primarily for Graduates.

50. Original investigation in (a) Economic Botany, *Materia Medica*, etc., (b) Parasitism and Monstrosities; (c) Researches in Physiology of single groups; (d) Comparative Organography. Ten semester-hour credits. Professor MANN.

Zoology

First Section. Primarily for Undergraduates

1. *Systematic Zoology*.—Invertebrates. This includes lectures

and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with biological characters classificatory laws, and the general principles of evolution. Lecture, *Mon.*, at 5.10; laboratory, *Wed., Fri.*, 5.10-6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT and Miss MACMILLAN.

2. *Systematic Zoology*.—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Lecture, *Mon.*, at 6.00; laboratory *Wed., Fri.*, 5.10—6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT, Mr. WETMORE and Miss MACMILLAN.

Second Section. For Undergraduates and Graduates

20. *Practical zoology*.—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester-hour credits. Professor BARTSCH

23. *Ornithology*.—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life of birds. The laboratory work consists in classifying bird skins, of which the University possesses an excellent series. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits of these forms. Lecture, one hour; laboratory, one two-hour period. Four semester-hour credits. Professor BARTSCH.

Laboratory courses in histology and physiology will be arranged for competent students.

Third Section. Primarily for Graduates

50. Courses may be arranged for competent graduates. Ten semester-hour credits. Professor BARTSCH.

CHEMISTRY

First Section. Primarily for Undergraduates

1. *General Chemistry*.—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic and technical chemistry. *Tu., Th., Sat.*, at 5.00. Six semester-hour credits. Professor McNEIL.

2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL and Professor SWETT.

3. *Preparation and Study of the Properties of Chemical Substances*.—A laboratory course. Two three-hour periods *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

4. *Assaying and Metallurgy of the Precious Metals*.—Carried on by the method used by the Government Assayers, the Laboratory being fitted up on the plan of that of the United States Mint. Twelve hours for three months. Professor McNEIL, Professor SWETT.

5. *Principles of Analysis*.—Lecture. One hour. Two semester-hour credits. Professor McNEIL.

6. *Metallurgy of Iron and Steel*.—A course of lectures and readings. *Tu.*, at 6.10. Two semester-hour credits. Professor McNEIL.

7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and cyclic series of compounds. Two lectures and three hours laboratory work per week. *Mon., Wed.*, at 7. Six semester-hour credits. Professor McNEIL.

Second Section. For Undergraduates.

20. *Qualitative Analysis*.—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

21. *Quantitative Analysis*.—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor SWETT, Mr. BRATTAIN.

23. *Organic Chemistry*.—Advanced course. *Wed., Fri.*, at 5.00. Four semester-hour credits. Professor SWETT.

24. *Organic Chemistry*.—Advanced course. A continuation of Course 23. *Th., Sat.*, at 6.10. Four semester-hour credits. Professor SWETT.

25. *Chemistry of the Carbon Compounds*.—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor MCNEIL, Professor SWETT, Mr. LEPPER.

26. *Physical Chemistry*.—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from the physical standpoint. In this course special attention is given to the ionic theory, electro-chemistry, the law of mass action, and the phase rule. *Mon.*, and *Wed.*, at 6.10. Four semester-hour credits. Professor MCNIEL.

27. *Stereo-Chemistry*.—This course deals with the arrangements of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. Four semester-hour credits. Assistant Professor HILL.

28. *Biochemistry*.—A laboratory course in the chemical examination of some of the chief foodstuffs, the tissues and fluids of the body, and the products of certain organisms; also the isolation of the digestive enzymes and a study of their action *in vitro*. Three three-hour periods. Six semester-hour credits. Assistant Professor NOYES.

29. *Industrial Chemistry*.—This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. Six semester-hour credits. Not given in 1919-20.

30. *Physical Chemistry*.—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken, or are taking that course. Two three-hour periods. Four semester-hour credits. Assistant Professor HILL.

Third Section. Primarily for Graduates

50. *Explosive Substances*.—Ten semester-hour credits. Professor CUSHMAN.

51. *Analytical Methods*.—Ten semester-hour credits. Professor MCNEIL.

53. *Development of the Theory of the Constitution of the Natural Silicates*.—Ten semester-hour credits. Professor CLARKE

55. *Special Researches in Electro-Chemistry*.—Ten semester-hour credits. Assistant Professor HOPKINS.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington which are held on the second and fourth Thursdays of each month from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings

of the Chemical Society of the George Washington University which is a most active and efficient student organization.

CIVIL ENGINEERING

First Section. Primarily for Undergraduates

1. *Surveying and Mapping.*—This course includes recitations, field and drawing room work. The recitations will cover the theory, adjustment and use of instruments; land, topographic, mine, hydrographic and geodetic surveying. The field work includes the adjustment of instruments, the use of the level, transit and compass. The computations cover the closing of traverses, computation of areas, contour problems and the reduction and plotting of field notes. Two recitations a week; field and drawing room work equivalent to one three-hour period a week throughout the year. Six semester-hour credits. Mr. MARSH.

2. *Railroad Engineering.*—This course includes recitations, field and drawing room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists in a preliminary and location survey of about one mile of railway; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Assistant Professor LAPHAM.

3. *Highways and Pavements.*—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Mr. MARSH.

4. *Materials of Construction.*—A course in the study of the chemical and physical properties of: stone, brick, lime, wood, iron, steel and a few of the minor alloys. Stress is laid on the manufacture and the properties of the materials that affect their use in engineering construction. The class room work is supplemented by laboratory tests and by inspection trips to testing laboratories and manufacturing plants. One hour a week. Two semester-hour credits. Assistant Professor LAPHAM.

5. *Surveying Instruments.*—A two-months' course for Mechanical and Electrical Engineering students, covering the use of the compass, transit, and level. Lectures and field exercises, two hours. One semester-hour credit. Assistant Professor LAPHAM.

6. *Foundations.*—A two-months' course for Mechanical and

Electrical Engineering students, covering the general principles of foundation construction and the materials used. Two hours. One semester-hour credit. Assistant Professor LAPHAM.

Second Section. For Undergraduates and Graduates

21. *Hydraulic Engineering*.—The design and construction of water-power plants and irrigation works. Flow of rivers; rainfall and runoff; methods of development; hydraulic motors; power transmission. Irrigation plans; distributing system; water rights and irrigation law. Two lectures and one design period. Six semester-hour credits. Assistant Professor LAPHAM.

22. *Structures*.—A course covering the determination of stresses in framed structures by graphical and by analytical methods. The first term is devoted to beams and roof trusses; the second to bridge trusses under uniform and wheel loads. Three lectures and two design periods. Ten semester-hour credits. Mechanical engineering students take only the first term. Five credits. Professor MCDANIEL, Assistant Professor NORSWORTHY.

23. *Structures*.—Design of structures in timber and steel. About two months is devoted to the design of timber trestles, roof trusses and slow-burning building construction; the remainder of the year to steel design of mill and office buildings; girder, riveted and pin-connected bridges. Three lectures and two design periods. Ten semester-hour credits. Professor MCDANIEL, Assistant Professor NORSWORTHY.

24. *Sanitary Engineering*.—Water supply: the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; sedimentation and aeration of water; sand filtration; mechanical filtration; chemical treatment of water; the relation of water supply to infectious diseases.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal. Three lectures and one design period. Eight semester-hour credits. Assistant Professor LAPHAM.

27. *Reinforced Concrete Construction*.—The theory and design of reinforced concrete slabs, beams, and columns. Two recitations and one design period during the first semester. Three semester-hour credits. Assistant Professor LAPHAM.

28. *Masonry Construction*.—A study of brick and stone masonry, theory of foundations, piles and pile driving, caissons, cofferdams, etc. The design of bridge piers, abutments, retaining walls, culverts and other similar structures. Two recitations and one de-

sign period a week during the second semester. Three semester-hour credits. Assistant Professor LAPHAM.

Third Section. Primarily for Graduates

50. *Reinforced Concrete Structures*.—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits.

51. *Advanced Steel Structures*.—Theory and design of suspension, cantilever, moveable and arch bridges. One lecture and two design periods. Six semester-hour credits.

53. *Railroad Engineering*.—An advanced course in railroad location construction, and maintenance of way. It must be preceded by Civil Engineering course 2. Six semester-hour credits.

54. *Water and Sewage Purifications*.—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits.

CLASSICAL LANGUAGES AND LITERATURES

Greek

First Section. Primarily for Undergraduates

A. *Elementary Course*.—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor SMITH.

B. *Homer: Iliad I-IV*.—For students who have taken Course A and desire to prepare themselves to enter Course 1. *Tu., Th.*, at 9.15. Four semester-hour credits. Not given in 1919-20.

1. Herodotus (selections); Lysias (selected orations); Euripides (*Alcestis*); Greek prose composition. *Mon., Wed., Fri.*, at 2.45. Six semester-hour credits. Professor SMITH.

2. Xenophon (*Memorabilia*); Thucydides (*Book VII*); Sophocles (*Antigone*). *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates

20. Plato (selections, including the *Apology* and *Crito*); Aristophanes (*Clouds* or *Frogs*). *Tu., Th.*, at 1.45. Four semester-hour credits. Professor SMITH.

21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). *Tu., Th.*, at 1.45. Four semester-hour credits. Not given in 1919-20.

Latin

First Section. Primarily for Undergraduates

B. *Cicero's Orations and Vergil's Aeneid*.—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the *Orations* and of three or four books of the *Aeneid*, supplemented by private reading, and some practice in the writing of Latin. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor SMITH.

1. Livy (Book I or XXI); Cicero (*De Senectute*); Horace (*Odes and Epodes*); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed course B. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Professor SMITH.

2. Cicero and Pliny (selected Letters); Horace (*Satires and Epistles*); Martial (selections). *Mon., Wed., Fri.*, at 3.45. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates

20. Tacitus (selections); Terence (*Phormio*); Plautus (*Captivi*). *Tu., Th.*, at 10.15. Four semester-hour credits. Not given in 1919-20.

21. Quintilian, Book X, and Horace, *Ars Poetica*; Catullus, Tibullus and Propertius. *Tu., Th.*, at 10.15. Four semester-hour credits. Professor SMITH.

22. *Advanced Latin Composition and Reading at Sight*.—Practice in Latin expression and style. *Th.*, at 2.45. Two semester-hour credits. Professor SMITH.

Third Section. Primarily for Graduates

The work in this Section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified Seniors may be admitted to these courses. The authors selected are as follows:

50. *Vergil, and Roman Epic Poetry*.—Two hours. Six semester-hour credits. Professor SMITH.

51. *Caesar, and the Roman Historians*.—Two hours. Six semester-hour credits. Not given in 1919-20.

52. *Cicero, and Roman Oratory*.—Two hours. Six semester-hour credits. Not given in 1919-20.

Classical Literature

First Section. Primarily for Undergraduates

1. *General Survey of Classical Greek Literature (in English).*—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include selected readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. *Tu., Th., at 4.* Four semester-hour credits. Not given in 1919-20.

2. *General Survey of Latin Literature (in English).*—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. *Tu., Th., at 4.* Four semester-hour credits. Professor SMITH.

COMMERCE

Second Section. For Undergraduates and Graduates.

Commerce 20. *Principles of Business.*—An introductory course in Business Economics and preparatory to the courses in Corporation, Finance, Transportation, Business Administration, etc. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. *Tu., Th., Sat., at 5.10.* First half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

33. *Commercial and Maritime Law.*—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of admiralty law. *Tu., Th., at 6.00.* Four semester-hour credits. Assistant Professor ALDEN.

36. *Commercial and Industrial Geography.*—During the first term, a general survey is made of the products, industries, and commerce of the United States and of the principal foreign countries. This survey is supplemented during the second term by a detailed study of agriculture, mining, and manufactures throughout the world, but with special reference to the United States; separate treatment of each important crop and branch of manufactures, with inquiry into the causes of the localization of industry. *Mon., Wed., Fri., at 6.00.* Six semester-hour credits. Assistant Professor KOCHENDERFER.

40. *Industrial and Commercial History of the United States.*—

Business aspects of early American colonization; the westward movement and the public lands; the development of internal improvements and railways; tariff history and policy. Growth of industry, agriculture, commerce; labor and capital; industrial and commercial problems of today. *Mon., Wed., Fri.*, at 5.10. First half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

41. Parallel with course 40. *Tu., Th., Sat.*, at 9.15. Three semester-hour credits. Assistant Professor KOCHENDERFER.

42. *European Industrial Evolution and World Politics*.—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion and commercial policies, the development of industry, and transportation. *Mon., Wed., Fri.*, at 5.10. Second half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

43. Parallel with course 42. *Tu., Th., Sat.*, at 9.15. Second half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

45. *History of Commerce*.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. Not given in 1919-20. Assistant Professor KOCHENDERFER.

47. *Transportation*.—Development and control of transportation in the United States and Europe. Railroad construction, competition, combination, regulation, rates, discrimination. Government ownership. Ocean carriage; subsidies; combination; rebates; ports and terminals; marine insurance. The U. S. Shipping Board, Railroad Administration and Emergency Fleet Corporation activities. *Tu., Th., Sat.*, at 5.10. Second half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

48. *Relation of Government to Property and Industry*.—Incorporation and regulation of companies, common law and monopolies, the anti-trust acts and their results. Public Utilities commissions and boards; regulations of security issues, etc. National incorporation and other methods of proposed regulation examined. Reconstruction problems. The tendency toward federal control of commerce and industry. Police power regulations, etc. Not given 1919-20.

Third Section. Primarily for Graduates

52. *Corporation Finance and International Trade Seminar.*—For qualified advanced students and graduates. Special opportunities will be offered students desiring to acquaint themselves with the best literature and do intensive work in the preparation of theses. Hours to be arranged. Four semester-hour credits. Assistant Professor KOCHENDERFER.

ECONOMICS AND SOCIOLOGY

First Section. Primarily for Undergraduates

1. *General Economics.*—An outline course in the principles of political economy, devoted mainly to the study of production and exchange under present-day conditions, followed by a study of the problems of rent, interest, wages, and profits, and including an examination of competition, private property, and economic programs. *Mon., We., Fri.,* at 11.15. Six semester-hour credits. Professor KERN.

2. Parallel with course 1. *Mon., Wed., Fri.,* at 6.00. Six semester-hour credits. Professor KERN.

Second Section. For Undergraduates and Graduates

22. *General Sociology.*—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. First half-year. *Tu., Th.,* at 5.10. Two semester-hour credits. Professor KERN.

23. *Modern Social Problems.*—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite, the course in general sociology. Two hours, second half-year. *Tu., Th.,* at 5.00. Two semester-hour credits. Professor KERN.

24. *The History of Economic Thought.*—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Two hours, first half-year. Given in alternate years. Not given in 1919-20. Professor KERN.

26. *Public Finance.*—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State governments. The theory of taxation; administration of public domains, and industries; public debts. Second half-year. *Tu., Th.,* at 6.00. Two semester-hour credits. Professor KERN.

27. *Money and Banking.*—The history and theory of money; the production of the precious metals; the theory of prices and meas-

urement of price fluctuations; monetary systems; the relation of the Treasury system to our money supply; the theory of credit and banking; the national bank system of the United States and the banking system of foreign nations. First half-year. *Tu., Th.*, at 6.00. Two semester-hour credits. Professor KERN.

28. *Economic Problems*.—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Credit for course 1, General Economics, is requisite for admission to this course. Not given in 1919-20. Professor KERN.

43. *Combinations, Trusts*.—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits. Professor KERN.

44. *Labor Problems*.—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed by a discussion of such problems as: child labor; dangerous occupations; workingmen's insurance against sickness, old age, accidents, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits, Professor KERN.

49. *Statistics*. The elements of statistical method, including gathering material, collecting data, defining the problem, tabulation, diagrams, graphs, frequency tables, types including mean, median, mode, measure of dispersion, use of quartiles, average deviation, standard deviation, coefficient of variability, skewness, coefficient of correlation, probable error, price indices, ratio of variation, moving averages, and general application of statistical methods to business, economics, education, administration, sociology, government and biology. Three hours a week. Six semester-hour credits. Mr. PHILLIPS.

Third Section. Primarily for Graduates

51. *Seminar in Sociology*.—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor KERN.

EDUCATION

Second Section. For Undergraduate and Graduates

20a. *Principles of Teaching*.—A comprehensive course in the

principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

20b. *Principles of Education*.—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

21a. *Principles of Teaching*.—A brief course in the psychological and logical principles underlying the teaching process. First half-year. *Sat.*, 9.15-11.15. Two semester-hour credits. Professor RUEDIGER.

21b. *Principles of Education*.—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Sat.*, 9.15-11.15. Two semester-hour credits. Professor RUEDIGER.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. *History of Education*.—A general course in the historical development of educational theory and practice. *Tu., Th.*, at 4. Four semester-hour credits. Professor RUEDIGER.

24. *School Sanitation and Hygiene*.—A survey of the relations of education and health, including: The function of the school in promoting health; physical examination of children; medical inspection; physical education; diseases and defects incident to school life; the organization of instruction as related to fatigue; defective children; school house construction and sanitation. Lectures, reference work, and reports. (Not given in 1919-20.) Two semester-hour credits. Dr. SMALL.

25. *Secondary Education*.—After sketching the meaning and significance of secondary education as revealed by educational theory, by the secondary schools of Germany, France, and England, and by the history of secondary education in America, the course will consider in some detail the educational values, essential content, and methods of teaching the various high school branches. The problems of essential minima, of the connection of the studies with life, and of the development of initiative in the student will be emphasized. *Mon., Wed.*, at 5.10. Four semester-hour credits. Dr. SMALL.

27. *School Administration*.—The public school system: Its development; economic and political relations; organization of ad-

ministration, financial and educational; problems of administration. Lectures, assigned reading, and reports. Not given in 1919-20. Dr. SMALL.

28. *Experimental Education*.—A laboratory course on processes of learning, transfer of practice, association, memory, etc. Special emphasis is laid upon practical work with the Binet and other mental tests. *Sat.*, 9.15-11.15. Three semester-hour credits. Mrs. SYMONDS.

29. *Educational Story Telling*.—Study of type stories, adaptation of stories, practical story telling. It is the purpose of the course to develop a basis for the selection and presentation of suitable children's literature, taking into consideration the various stages of the child's development. Lectures, required reading and reports. *Mon., Wed.*, at 4. Four semester-hour credits. Mrs. ALBION.

30. *Story Telling and Children's Literature*.—Study of Epics—Iliad, Odyssey, and Kalevalla. Retelling, possible dramatization.

Part of the course will be given to a discussion of reading and reading books with a view to supplementing with stories and units of literature. It will be the purpose to work toward a solution of the problem of developing in the child a higher appreciation of the best in literature and a real love of books through his school reading. The course will extend and supplement course 29 but will be open to all upper class students. Not given in 1919-20. Four semester-hour credits. Mrs. ALBION.

34. *Observation*.—Observation of experienced teachers, under guidance, in the elementary and secondary schools of the city. The course should normally be taken in the junior year. Two semester-hour credits Professor RUEDIGER.

35. *Practice Teaching*.—Opportunity for practice teaching under supervision and criticism is provided in the University Demonstration School. The course should normally be taken in the senior year. Two semester-hour credits. Professor RUEDIGER.

(The students taking courses 34 and 35 will meet together once a week for conference and discussion.)

Third Section. Primarily for Graduates

50. *Seminar in Education*.—The time of the seminar for 1919-20 will be devoted to a consideration of problems in Educational Sociology with special reference to educational reconstruction. Open to qualified undergraduates. *Tu., Th.*, at 5.00. Six semester-hours credits. Professor RUEDIGER.

ELECTRICAL ENGINEERING

First Section. Primarily for Undergraduates

1. *Elementary Mathematical Theory of Electricity and Magnetism.*—Elementary electricity and magnetism is studied with special attention to the needs of engineering students. The phenomena accompanying static electricity are noted. Problems illustrating the theory and having practical application are required to be solved. Prerequisite: Physics 1. Two hours. Four semester-hour credits. Professor

2. *Elements of Electricity; Direct Current Motors and Generators; Design Work.*—Elements of electricity are studied during the first term and especial emphasis is laid upon the principles underlying the flow of currents. During the second term a study is made of direct current generators and motors, covering the laws of the magnetic circuit as applied to the dynamo. The course includes the design of electrical machinery and apparatus. An introductory study of alternating currents is also begun. Numerous problems are assigned throughout the course. Prerequisite: Physics 1. Three hours. Six semester-hour credits. Dr. HONAMAN.

4. *Electrical Measurements.*—A laboratory course for Juniors. Selected experiments. Foster's Hand-book and special laboratory notes are used for reference. Two three-hour periods, first half-year. Two semester-hour credits. Professor

5. *Electrical Laboratory.*—Experiments and tests involving the operation of direct-current dynamos and motors, including tests of motors in service, operating elevators, street cars, and machinery of various kinds. Text-book: Sever and Townsend's "Laboratory and Factory Tests in Electrical Engineering." Two three-hour periods, second half-year. Two semester-hour credits.

6. *Industrial Electricity.*—A practical course intended for Juniors in Civil Engineering, embracing the selection and operation of electrical machinery, electrical railways and other applications of electric motors. Prerequisite: Physics, 1. Two hours, first half-year. Two semester-hour credits. Professor

Second Section. For Undergraduates and Graduates

21. *Alternating Current Theory and Machinery.*—A course for Seniors in Electrical Engineering, covering the principles of single as well as polyphase currents, including study of machines, circuits, transformers, etc. Four hours. Eight semester-hour credits. Professor.

22. *Electrical Distribution.*—A course for Seniors in Electrical

Engineering, covering the whole field of distribution of electricity for light and power. Text-book: Ferguson's Elements of Electrical Transmission. One hour. Two semester-hour credits. Professor

23. *Electrical Applications*.—A course for Seniors in Electrical Engineering, covering the more important applications of electricity, such as motive power, including elevators, hoists and machine drive, telephony, telegraphy, electro-metallurgy, etc. One hour. Two semester-hour credits. Professor

24. *Advanced Laboratory Work for Seniors in the Electrical Engineering Course*.—Covers test and experimental work with direct and alternating currents, tests of machines, circuits, transformers, circuits containing inductance and capacity, measurement of power in alternating current circuits, plotting of curves, etc. Text-book: Sever and Townsend's Laboratory and Factory Tests in Electrical Engineering, with Foster's Electrical Engineer's Hand-book for general reference. Two three-hour periods. Four semester-hour credits. Professor

25. *Inspection of Plants and Industrial Works*.—In the vicinity of Washington and Baltimore are a number of modern electric lighting and street railway plants, telephone exchanges, telegraph operating rooms, Government laboratories devoted to special work, etc., which affords students of Electrical Engineering an opportunity to familiarize themselves with nearly all types of apparatus in use. The visits are followed by class discussion based on written description submitted by the students.

26. *Electric Lighting and Illumination*.—A course for Seniors in Electrical Engineering covering the subject of electric lighting and illumination, including detailed study of different types of lamps, shades, arrangement of light sources, effect of walls, etc. Two hours. Four semester-hour credits. Professor

27. *Electric Railways*.—A course for Seniors in Electrical Engineering covering the theory and practice of modern, direct and alternating current railways. Two hours, second half-year. Two semester-hour credits. Professor

Third Section. Primarily for Graduates

50. *Radio-electricity*.—A mathematical treatment of the fundamental principles with an exposition of their application to present day practice. Problems based on the methods used and the apparatus employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor, ten semester-hour credits, as a Major. Professor COHEN.

ENGLISH

First Section. Primarily for Undergraduates

1. *English Rhetoric*.—A study of the principles of self-expression through language with practice in composition. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor WILBUR and Mr. BENTON.

2. *English Rhetoric*.—Parallel with Course 1. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor WILBUR and Mr. BENTON.

NOTE.—Credit for Course 1 or 2 is requisite for admission to any other course in English except 5.

5. *Survey of English Literature*.—*Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor CROISSANT.

Second Section. For Undergraduates and Graduates

22. *Shakespeare*.—1919-1920, The Tragedies. 1920-1921, The Comedies. (The Temple edition of Shakespeare is recommended.) *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor WILBUR.

27. *Humanistic Studies*.—1919-1920, The drama since 1890. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor CROISSANT.

28. *Humanistic Studies*.—1919-1920, Nineteenth Century English poetry. 1920-1921, Nineteenth century English prose. Six semester-hour credits. *Mon., Wed., Fri.*, at 4.00. Professor CROISSANT.

31. *Journalism*.—The fundamentals of newspaper writing. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor CROISSANT.

33. *American Literature*.—Lectures and collateral reading. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor CROISSANT.

Third Section. Primarily for Graduates

51. *Seminar in English*.—Problems in English Literature for graduates engaged in individual research.

54. "*The Prelude*," first half-year. "*The Ring and the Book*," second half-year. Given in 1918-1919; not given in 1919-1920.

55. *Shakespeare*.—Selected plays. *Tu., Th.*, at 5.10. Four semester-hour credits. Professor WILBUR.

ETHNOLOGY

Third Section. Primarily for Graduates

50. *General Introduction to Ethnology*.—A general course embracing man's place in nature; sociology, religious ideas, ethical

ideas, and languages of primitive peoples; the beginnings of literature and art: linguistic survey of the world; ethnological survey of the world; discussion of the problems of independent origins versus diffusion: the classical British, Graebnerian, and American schools. Lectures and collateral readings. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor MICHELSON.

51. *Outlines of North-American Ethnology*.—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. *Mon., Wed.*, at 5.10. Four semester-hour credits. Professor MICHELSON.

52. *American Indian Languages*.—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. *Two hours a week*. Four semester-hour credits. Professor MICHELSON.

53. *American Indian Languages* (second course).—This is an advanced course, and members must have taken course 52, unless they have done an equivalent elsewhere. *One hour a week*. Two semester-hour credits. Professor MICHELSON. Not given in 1919-1920.

54. *Seminar in Ethnology*.—Competent students will be assigned topics, and the results discussed at a weekly meeting. Four semester-hour credits. Professor MICHELSON.

FRENCH

See Romance Languages.

GEOLOGY AND MINERALOGY

First Section. Primarily for Undergraduates

1. *Mineralogy*.—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. Text book: *Mineralogy, Crystallography, and Blowpipe Analysis* by Moses and Parsons. *Mon., Fri.*, at 5.10. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

2. *Geology*.—Systematic geology; dynamical, structural and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontol-

ogy is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's Geology. *Mon., Fri.*, at 6.00. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

3. *General Geography*.—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of two parts, first, a study of the general geographic principles, and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. *Wed.*, at 5.10. Two semester-hour credits. Dr. RESSER.

4. *Physiographic Geography*.—A general culture, illustrated lecture course treating of the physical phases of geography, the earth's surface, atmosphere, and the distribution of life. *Wed.*, at 6.00. Two semester-hour credits. Dr. RESSER.

Second Section. For Undergraduates and Graduates

20. *Economic Geology*.—[Geology 1 and 2 and Chemistry 1 are prerequisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and materials used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Text-books: Lingdren's Mineral Deposits. *Mon., Fri.*, at 5.10. Given in alternate years. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

21. *Engineering Geology*.—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply and water purification and similar problems are discussed in detail. Text-book, Engineering Geology by Ries and Watson. *Mon., Fri.*, at 4.00. Four semester-hour credits. Dr. RESSER.

22. *Paleontology*.—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor BASSLER.

Third Section. Primarily for Graduates

50. *Advanced Geology and Paleontology.*—The student in this course may devote his time largely, if necessary, to perfecting himself in methods; to general work in the laboratory and in the field; to the examination of geological materials, and to familiarizing himself with the literature of the subject. Four semester-hour credits. Professor BASSLER.

GERMANIC LANGUAGES AND LITERATURE

First Section. Primarily for Undergraduates

1. *Elementary.*—The essentials of German grammar; translation of prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two years' course in high schools and academies of good standing. *Tu., Th., Sat.,* at 11.15. Six semester-hour credits. Professor SCHOENFELD.

2. Parallel with Course 1. *Tu., Th., Sat.,* at 5.10. Six semester-hour credits. Professor SCHMIDT.

3. Selected texts from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or have satisfied the admission requirement in elementary German. *Mon., Wed., Fri.,* at 11.15. Six semester-hour credits. Professor SCHOENFELD.

4. *Parallel with Course 3.*—Contemporary German is read during the first half-year and classical during the second half-year. *Mon., Wed., Fri.,* at 6.00. Six semester-hour credits. Professor SCHMIDT.

6. *Scientific and Technical German.*—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed Course 1 or 2, or who have satisfied the admission requirement in elementary German. *Tu., Th., Sat.,* at 6.00. Six semester-hour credits. Professor SCHMIDT.

7. Advanced course in German syntax; principal difficulties of the language: idioms; synonyms; translations of English prose into German; essays; selected advanced prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or have satisfied the admission requirement in advanced German. *Mon., Wed., Fri.,* at 1.45. Six semester-hour credits. Professor SCHOENFELD.

8. Parallel with Course 7, with special reference to advanced students both in the historico-political and the scientific departments. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

Second Section. For Undergraduates and Graduates

20. *Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation*, with special reference to the emerging of the Germanic, Romance, and Slavic races.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor SCHOENFELD.

21. *German Literature of the Second Classic Period at its Zenith*.—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German volkslied in the eighteenth and nineteenth centuries. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD. Not given in 1919-20.

22. *The Currents of German Literature from the beginning of the Nineteenth Century until 1870*.—Romanticism, its social and political aspects; Modern German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads: Uhland and Heine. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

Third Section. Primarily for Graduates

50. *Seminar in the History of Middle High German Literature*, with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries. Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsaga. Six semester-hour credits. Professor SCHOENFELD.

51. *Gothic*.—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. *Old High German*.—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year.

For notice of the Richard Heinzel Germanic Library, see page 18.

GREEK

See Classical Language.

HISTORY

First Section. Primarily for Undergraduates

1. *Mediaeval History*.—A history of the settlement of the Germanic tribes in the territory of the Empire, with a study of feudal institutions, extending through the movements of the Crusades; texts, with assigned readings. First half-year. *Mon., Wed., Fri.*, at 2.45. Three semester-hour credits. Professor SWISHER.

2. *Mediaeval History*.—A history of the evolution of national government extending through the periods of the Renaissance and the Protestant Revolution; texts and assigned readings. Second half-year. Three semester-hour credits. *Mon., Wed., Fri.*, at 2.45. Professor SWISHER.

3. *Modern European History*.—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution; texts, lectures, and collateral readings. First half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century, with a more detailed study of recent issues; texts, lectures, and collateral readings. Second half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

5. *Mediaeval History*.—Parallel with Course 1. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor SWISHER. Not given in 1919-20.

6. *Mediaeval History*.—Parallel with Course 2. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor SWISHER. Not given in 1919-20.

Second Section. For Undergraduates and Graduates

20. *American History*.—A study of the formation of the Union and the subsequent history of the United States to date, with particular attention to those factors which have tended to develop or retard the growth of American nationality; text-book, lectures and special reports. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Assistant Professor ALDEN.

21. *Ancient History*.—A study of the history of the ancient oriental peoples, and of Greece and Rome; with collateral readings in the translated texts of Herodotus, Plutarch, Thucydides, Tacitus and others. *Tues., Thu., Sat.*, at 9.15. Six semester-hour credits. Mr. KAYSER.

25. *English History*.—A general course in English history with

special attention to constitutional and political development. Texts, lectures, and collateral reading. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Assistant Professor CHURCHILL.

30. *American Constitutional History*.—A history of the origin and development of the Federal Constitution of 1789, with a study of its interpretation under the pressure of party issues. Lectures, text-books, and collateral readings. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor MCARTHUR.

31. *Modern European History*.—A study of the French Revolution and subsequent reaction extending through the Revolution 1848. First half-year. *Tu., Th., Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

32. *Modern European History*.—From 1850 to the present time. Second half-year. *Tu., Th., Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

33. *Current History*.—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. *Sat.*, at 11.15. Two semester-hour credits. Professor SWISHER.

34. *Contemporary History*.—A study of international issues during the present century with special reference to the causes and results of the recent war. *Tu., Th., Sat.*, at 5.10. Professor SWISHER, and Assistant Professor MCARTHUR.

Third Section. Primarily for Graduates

54. *Seminary Work*.—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the seminaries of American and Modern European History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods of facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminars. Regular meeting of Seminar, Saturday 12.15--2.15. Six semester-hour credits. Professor SWISHER, Assistant Professor ALDEN, and Assistant Professor CHURCHILL.

INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

LATIN

See Classical Languages.

MATHEMATICS

First Section. Primarily for Undergraduates

3. *College Algebra; Solid Geometry; Plane Trigonometry*.—Algebra is studied during the first half-year, solid geometry dur-

ing February and March, and trigonometry during April and May. *Mon. Wed., Fri.*, at 9.15. Six semester-hour credits. Professor ERWIN.

4. *Algebra; Plane Trigonometry*.—Algebra is studied until April 1, and trigonometry during April and May. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Mr. HODGKINS.

6. *College Algebra; Solid Geometry; Plane Trigonometry*.—Parallel with Course 3. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Mr. HODGKINS.

9. *Trigonometry; Analytic Geometry*.—Trigonometry until Jan. 1, analytic geometry for the remainder of the session. The completion of Course 3, 4 or 6 is requisite for admission to this course. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor ERWIN.

12. *Trigonometry; Analytic Geometry*.—Parallel with Course 9. Section A. *Mon., Wed., Fri.*, at 6.00. Section B. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor ERWIN.

Second Section. For Undergraduates and Graduates

20. *Differential and Integral Calculus; Elements of differential equations*. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor HODGKINS.

21. *Differential and Integral Calculus; Elements of differential equations*. *Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor HODGKINS.

24. *An Elementary Treatise on the Theory of Equations*. First half-year. *Tu., Th., Sat.*, at 10.15. Three semester-hour credits. Professor ERWIN.

25. *The Number-System of Algebra*. Second half-year. *Tu., Th., Sat.*, at 10.15. Three semester-hour credits. Professor ERWIN.

Third Section. Primarily for Graduates

50. *Differential Equations*.—*Mon., Fri.*, at 11.15. Four semester-hour credits. Professor HODGKINS.

51. *Least Squares*.—*Tu., Th.*, at 10.15. Second half-year. Two semester-hour credits. Professor HODGKINS.

54. *Theory of Functions of a Complex Variable*.—First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor ERWIN.

55. *An Introduction to the Lie Theory of One-Parameter Groups*.—Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor ERWIN.

MECHANICAL DRAWING

First Section. Primarily for Undergraduates

1. *Mechanical Drawing*.—A general course embracing the care and use of instruments; Freehand lettering, orthographic and isometric projections; sections and intersections; sketching of simple machine details; principle of working drawings; curve plotting. Section A. *Mon., Wed.*, 1.45 to 4.45. Section B. *Mon., Fri.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY and Mr. WOODWARD.

2. *Machine Drawing*.—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard machine parts. Much stress is laid upon drafting room practice, arrangement of views and conventional forms and standards. Section A. *Mon., Wed.*, 1.45 to 4.45. Section B. *Mon., Fri.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY and Mr. WOODWARD.

3. *Mechanical Drawing*.—A combination of Courses 1 and 2 especially designed for Chemical Engineering students. Section A. *Mon., Wed.*, 1.45 to 4.45. Section B. *Mon., Fri.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY and Mr. WOODWARD.

4. *Mechanical Drawing*.—A course for Chemical Students, similar to Course 3. Section A. *Wed.*, 1.45 to 4.45. Section B. *Mon.*, 7.30 to 10.30 P. M. Two semester-hour credits. Assistant Professor HALSEY and Mr. WOODWARD.

8. *Descriptive Geometry*.—A course of lectures, recitations, and drafting room work on the line, point, and plane; single and double curved surfaces; tangent lines and tangent planes; intersections of lines, planes, and solids; shades, shadows and perspective. Section A. *Fri.*, 1.45 to 4.45. Section B. *Wed.*, 7.30 to 10.30 P. M. Three semester-hour credits. Assistant Professor LAPHAM, and Assistant Professor HALSEY.

MECHANICAL ENGINEERING

First Section. Primarily for Undergraduates

1. *Mechanism*.—A course in the systematic study of the kinematics of machinery, in which the mechanical movements are reduced to a scientific analysis. Carefully developed problems and diagrams of changes of position and speed in mechanism are constantly used.

Some attention is given to the design of gear teeth, and a large part of the second half-year is devoted to the study of steam engine valve gears. *Mon., Wed., Fri.*, at 6.00 and one two-hour drawing

period per week. Eight semester-hour credits. Mr. WOODWARD.

9. *Engineering Laboratory*.—A course of practical work in the testing of engineering apparatus and materials. The work consists of tests of the strength of iron, steel and cement; measurement of the flow of air and water; tests of steam calorimeters; tests of pumping machinery; efficiency tests of steam engines; fuel value determinations; evaporative efficiency of boilers. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

10. *Engineering Laboratory*.—A completion of Course 9. Two three-hour periods, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

11. *Engineering Laboratory*.—Advanced work in the laboratory for Mechanical Engineering students. The work consists of efficiency tests of refrigerating machinery, air compressing machinery; Hirn's analysis; etc. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Second Section. For Undergraduates and Graduates

20. *Thermodynamics, Steam Boilers, and Power Plant Accessories*.—About five months are devoted to the principles of thermodynamics, the theoretical gas and vapor cycles, and the properties of steam. The application of the theoretical vapor cycles to the real steam engine is discussed. The latter part of the course is devoted to the study of steam boilers, steam turbines, gas engines, steam power plant accessories, compression and refrigeration machinery. Three hours. Six semester-hour credits. Assistant Professor HALSEY.

23. *Hydraulic Machinery*.—This course provides for an elementary study of hydraulic prime movers and pumping machinery. It includes a discussion of the theory and design of turbines and turbine blades for low and high heads, and turbine governors.

The course will also treat of impulse wheels; water motors of the piston type; machinery for the utilization of hydraulic pressure; hydraulic pressure pumps, and hydraulic presses; hydraulic tools, pumps operated by steam, electricity, or power; and high duty pumps and water meters. Two hours, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

24. *Advanced Mechanism*.—A study of modern machine tools, automatic machines and quantity production machinery. Two hours, second term. Two semester-hour credits. Assistant Professor HALSEY.

25. *Machine Design*.—This course is an application of principles already acquired to problems in design, each student being required to complete every detail of the design undertaken.

The subjects taken as design problems are:

The complete design of a gas engine, or a punch, or the design of a steam boiler, a series of shaft couplings, and a fly-wheel.

The constructive details and calculations are discussed and the limitations of theoretical and empirical formulas pointed out. One lecture-recitation hour and five hours in the drawing room. Four semester-hour credits. Assistant Professor HALSEY.

26. *Dynamics of Machinery*.—A course including a number of the principal applications of dynamics to moving machinery, such as governors, fly-wheels, and the effect of the reciprocating parts of gas and steam engines. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

27. *Power Plants*.—A course of problems dealing with the operation, finance and economics of steam and gas power plants. The course should be taken with the second semester of Mechanical Engineering, 20. Two three-hour problem periods. Two semester-hour credits. Assistant Professor HALSEY.

28. *Industrial Management*.—A course dealing with the business systems of manufacturing establishments.

The work includes a study of the organization and relations of the various departments of an industrial establishment, both in the office and in the workshop. It also discusses the conduct of accounts, the method of superintendence and of compensating labor, the determination of the cost of production, and the effect on costs of different systems of distributing indirect expenses. This course also considers the factors which enter into a determination of the depreciation of structures and the economic selection thereof. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

29. *Heating and Ventilating*.—This course deals with the elementary principles underlying the subject of heating and ventilating. Furnace heating, direct and indirect steam heating, hot water heating, and the ventilating of different types of buildings are discussed. Two hours, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

30. *Gas Engines*.—This course deals with the thermodynamics and practice of the internal combustion engine. A study is made of the principal existing types of engines. Three hours, first half-year. Three semester-hour credits. Assistant Professor HALSEY.

31. *Steam Turbines*.—This course deals with the thermodynamics and practice of the steam turbine. Nozzle and blade design is taken up and a study is made of the existing types of turbines. Two hours, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Third Section. Primarily for Graduates

50. *Advanced Machine Design*.—Six semester-hour credits. Assistant Professor HALSEY.

51. *Advanced Power Plant Design*.—Six semester-hour credits. Assistant Professor HALSEY.

METEOROLOGY

Third Section. Primarily for Graduates

50. *Applied Meteorology*.—Investigation of the underlying laws governing meteorological phenomena and of the methods employed in practice for their interpretation and applications. Six semester-hour credits. Professor MOORE.

51. *Meteorological Physics*.—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor HUMPHREYS.

NAUTICAL SCIENCE

First Section. Primarily for Undergraduates

1. *Nautical Science*.—Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor LITTLEHALES.

Third Section. Primarily for Graduates

50. *Nautical Science*.—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor LITTLEHALES.

PHILOSOPHY AND PSYCHOLOGY

First Section. Primarily for Undergraduates

1. *General Psychology*.—An introductory study of the principal facts and laws of the mental life. First half-year. *Mon., Wed., Fri.*, at 10.15. Three semester-hour credits. Professor RUEDIGER.

2. *General Psychology*.—Parallel with course 1. First half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Professor RUEDIGER.

3. *Logic*.—A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure, and organization of knowledge. Second half-year. *Mon., Wed., Fri.*, at 10.15. Three semester-hour credits. Professor RUEDIGER.

4. *Logic*.—Parallel with Course 3. Second half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Professor RUEDIGER.

Second Section. For Undergraduates and Graduates

20. *History of Philosophy*.—The more important epochs in the history of thought. Attention is directed to the relation of these distinctive periods to the course of the world's progress. First half-year. *Tu., Th., Sat.*, at 10.15. Three semester-hour credits. Professor RICHARDSON.

21. *Ethics*.—A historical and theoretical course, with the aim of acquainting the student with the principal ethical theories. Reference is made to the application of these theories to concrete conditions. Second half-year. *Tu., Th., Sat.*, at 10.15. Three semester-hour credits. Professor RICHARDSON.

22. *Ethics*.—Similar to course 21. Second half-year. *Mon., Wed.*, at 5.50. Two semester-hour credits. Professor RICHARDSON.

24. *History of Philosophy*.—The development of philosophy, its nature and problems. This course while introductory is designed to be comprehensive and to give the student a general survey of the philosophic field. *Tu., Th.*, at 5.10. Four semester-hour credits. Professor RICHARDSON.

25. *Experimental Psychology*.—An introductory laboratory course. Experiments on sensation, movement, effects of practice, memory and association, emotional manifestations, etc., and practical work with the Binet and other mental tests. To be taken by graduate students who are taking a major or minor in psychology, and who have not had experimental psychology. Not given in 1919-20. (See Education, 28.) Three semester-hour credits, Professor RUEDIGER and Mrs. SYMONDS.

27. *Recent Philosophical Movements*.—A consideration of the various philosophical movements and tendencies of the immediate past. A critical study of the occasion and meaning of the trend of thought at the present time. Lectures and reading of recent books and periodicals. *Wed.*, at 5.10. Two semester-hour credits. Professor RICHARDSON.

28. *Philosophy of Nature*.—A critical examination of the concepts of physical science. An investigation of the significance of

scientific laws and theories. Not given in 1918-19. Two semester-hour credits. Professor RICHARDSON.

(Courses 27 and 28 are given in alternate years.)

29. *Problems of Philosophy*.—An advanced course dealing with philosophical questions from the standpoint of the questions themselves rather than as these have been presented historically. A critical and constructive examination of fundamental philosophic principles and problems. Lectures, readings and reports. First half-year. *Mon., Wed.*, at 6.00. Two semester-hour credits. Professor RICHARDSON.

Third Section. Primarily for Graduates

51. *Metaphysics*.—The principles of metaphysics and the problems of philosophy. An advanced course tracing the origin and development of metaphysical questions, and a critical examination of the attempted solution of these problems. Readings, conferences and written reports. Six semester-hour credits. Professor RICHARDSON.

52. *Advanced Experimental, Abnormal or Physiological Psychology*.—Course to be altered in different years in accordance with the needs of students. Prerequisite—courses in general psychology, and introductory experimental psychology. Conferences, reading of recent literature, and demonstrations. *Mon.*, 7.30-9.30. Six semester-hour credits. Additional credits may be earned by special arrangement. Professor FRANZ.

53. *Research in Psychology*.—Advanced students, who select psychology as major or minor for the degree of A.M., or Ph.D., will be given special topics for investigation in abnormal, physiological or experimental psychology. To be preceded or accompanied by Course 52 or its equivalent. Six semester-hour credits. Additional credits may be earned by special arrangement. Professor FRANZ.

PHYSICS

First Section. Primarily for Undergraduates

1. *General Physics*.—A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experiments. This is a required course for Sophomores in Engineering, and may be elected by the general student who has completed Mathematics 9 or 12. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Assistant Professor BROWN.

2. *Laboratory Physics*.—Laboratory methods, accurate measurements of physical quantities, and experimental study of physical laws and apparatus. Course 2 is arranged to parallel courses 1 and 3, and may not be taken without an equivalent previous pre-

paration in Physics. Different series of experiments are arranged according to the needs of individual students. Two two-hour periods. *Tu., Th.*, at 10.15, or *Tu., Th.*, at 7.30. Four semester-hour credits. Assistant Professor BROWN, and Assistants.

3. *Introductory General Physics.*—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of the student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Assistant Professor BROWN.

Second Section. For Undergraduates and Graduates

21. Heat and Thermodynamics.—A recitation and lecture course, using Edser's *Heat* as a class text, and the more advanced texts and the literature for reference reading. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Not given in 1919-20. Assistant Professor BROWN.

22. *Light.*—A recitation and lecture course, using Edser's *Light* as a class text, and the more advanced texts and the literature for reference reading. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor BROWN.

25. Advanced Laboratory Physics.—This course is planned to follow Course 2, and is given for students especially interested in Physics. The experimental work may be of a general nature, or may follow special lines of study, according to the needs of the individual student. Course 25 may advantageously be taken by students in Courses 21 and 22. One or more periods per week. Four or more semester-hour credits. Hours by arrangement. Assistant Professor BROWN.

Third Section. Primarily for Graduates

57. *Statistical Mechanics and Kinetic Theory.*—This course includes Gibb's preliminary derivation of the fundamental equations of thermodynamics and a discussion of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Waal's equations and molecular aggregation and dissociation. Gibb's *Statistical Mechanics* and Jean's *Dynamical Theory of Gases*. A lecture and seminar course. *Mon.*, at 5.10. Six semester-hour credits. Mr. VAN ORSTRAND.

58. *Elasticity.*—The physical properties of solids as applied to problems in geophysics. Homogeneous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's *Mathematical Theory of*

Elasticity. A lecture and seminar course. *Friday* at 5.10. Six semester-hour credits. Mr. VAN ORSTRAND.

59. *Theoretical Electricity*.—A lecture course on the Mathematical theory of Electricity, using J. J. Thomson's *Elements of Electricity and Magnetism* as a basis. The fundamental propositions of electrical theory are discussed, and their applications to practical problems are pointed out. The solution of a number of problems is also required. Six semester-hour credits. Dr. CURTIS.

60. *Least Squares*.—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merriman's *Method of Least Squares*. A lecture and recitation course. First half-year. *Monday* at 5.10. Not given in 1919-20. Two semester-hour credits. Mr. VAN ORSTRAND.

61. *Conduction of Heat*.—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's *Mathematical Theory of Heat Conduction*. A lecture and recitation course. Second half-year. *Mon.*, at 5.10. Two semester-hour credits. Mr. VAN ORSTRAND.

POLITICAL SCIENCE

First Section. Primarily for Undergraduates

1. *Government of the United States*.—Besides an analysis of the structure of the federal government this course includes a study of the powers and the influence of the President, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts, and it shows how the Federal Trade Commission has modified the earlier policies in regard to the trusts. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. *Mon.*, *Wed.*, *Fri.*, at 10.15. Three semester-hour credits. Professor HILL.

2. *Government of the United States*.—Parallel with Course 1. *Tu.*, *Th.*, *Sat.*, at 6.00. Professor HILL.

3. *State Government*.—The vote, public opinion, direct legislation, police power, public utilities, and executive responsibility are the chief topics. A rapid survey is made of the three types of city government in the United States and of local government in the United Kingdom and in France. Second half-year. *Mon.*, *We.*, *Fri.*, at 10.15. Three semester-hour credits. Professor HILL.

4. *State Government*.—Parallel with Course 3. *Tu.*, *Th.*, *Sat.*, at 6.00. Professor HILL.

6. *Political Parties in the United States*.—A study of the functions of political parties in our government, of their history, and of their organization. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1919-20.

8. *South American Republics*.—A sketch of their establishment, an analysis of the structure of their governments, and a study of how these governments reflect economic and social conditions is the object of the course. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1919-20.

Second Section. For Undergraduates and Graduates

21. *Comparative European Governments*.—The governments of the British Empire and of Germany. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

22. *Comparative European Governments, continued*.—The governments of France, Italy and Switzerland are described and some attention is given to colonial administration. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

23. *City Government in the United States*.—A study of the origin and structure of the mayor and council, commission, and city manager plans, home rule, the relation of the city to the state, municipal powers and officers, social and individual rights and of references to European experience. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1919-20.

24. *Constitutional Law*.—The interpretation of clauses in the constitutions of the United States and of the separate states affecting officers, courts, powers of Congress, police power and private rights as found in judicial decisions forms the subject-matter. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1919-20.

26. *Brazil, Its Political Evolution*.—A study of the political, social, and economical evolution of Portuguese America. The international policy of Brazil is given due consideration. The course runs through the year. *Wed.*, at 6.00. Two semester-hour credits. Professor COUTINHO.

27. *International Relations*.—The leading European treaties, especially during the last century, form the focii of the course. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

28. *International Relations, continued*.—Leading American treaties form the basis for this course. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

29. *Principles of International Law*.—Lectures, text, cases, and a paper. First half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Rear-Admiral Stockton and Professor HILL.

30. *Elements of Diplomacy and Diplomatic Usage*.—Lectures, text, cases, and a paper. Second half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. President COLLIER, Rear-Admiral STOCKTON and Professor HILL.

Third Section. Primarily for Graduates

51. *Readings in Political Science*.—This course is arranged to meet the individual needs of advanced students. The handling of material and the writing of a report are included. Hours by appointment. Two semester-hour credits each half year. Professor HILL.

PREVENTIVE MEDICINE

Third Section. Primarily for Graduates

50. A seminar course dealing with vital statistics; etiology and prevention of infectious diseases; causes and prevention of infant mortality; prevention of disease of occupation; protective inoculations; municipal hygiene; national and interstate preventive measures. Six semester-hour credits. Professor PRYOR.

ROMANCE LANGUAGES AND LITERATURES

French

First Section. Primarily for Undergraduates

1. *First-Year Course*.—Fraser and Squair's Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern French fiction, comedy and history. For beginners. *Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Assistant Professor DOYLE.

2. *First-Year Course*.—Parallel with Course 1. Fraser and Squair's French Crammar. For beginners. Section A. *Mon., Wed., Fri.*, at 6.00. Section B. *Tu., Th., Sat.*, at 6.00. Section C. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Mr. CULLOM

3. *Second-Year Course*.—Fraser and Squair's French Grammar. First text, Mérimée, "Colomba", (Heath); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor HENNING.

4. *Second-Year Course*.—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Dumas fils, "La question

d'argent" (Heath); other texts to be announced. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor HENNING.

5. *General Survey of Modern French Literature*.—(Nineteenth, eighteenth and Seventeenth Centuries).—Translation, collateral reading and reports thereon, lectures on literature, composition. Open to students who have passed in Course 3 or 4, or have fulfilled the admission requirements in Advanced French. *Mon., Wed., Fri.*, at 3.45. Six semester-hour credits. Professor HENNING.

6. *Parallel with French 5*, but omitting composition. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor HENNING. (This course will be given only if elected by at least six students at the beginning of the year.)

7. *Conversation and Composition*.—Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French, or otherwise satisfy the instructor of their fitness to take it. *Mon., Wed., Fri.*, at 5.10. Four semester-hour credits. Mr. TEILLARD. This course will be given only if elected by at least twelve students at the beginning of the year.

Second Section. For Undergraduates and Graduates

Courses in this group are open to students who have passed in Course 5 or 6, or otherwise satisfy the instructor of their fitness to take them.

21. *Literature of the Seventeenth Century*.—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Balzac, Boileau, Corneille, Descartes, Fénelon, Mme de la Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evremond, Saint-Simon, Mme de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on literature and history. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor HENNING. Not given in 1919-20.

26. *Literature from 1750 to 1850; The Romantic Movement*.—History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Chénier; Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Michelet, Musset, Sainte-Beuve, George Sand, Mme de Stael, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on literature and history. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor HENNING. Given in 1919-20.

28. *Literature from 1850 to the Present*.—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaître, Loti, Maeterlinck, Maupassant, Mérimée, Renan,

Rostand, Sully Prudhomme, Taine, Verlaine, etc. (Given in 1920-21.)

Third Section. Primarily for Graduates

50. *Old French*.—Philology and Literature. *La Chanson de Roland* and Chrétien de Troyes. Phonology and Morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the 13th century. Some knowledge of Latin is essential. *Mon., Wed., Fri.*, at 4.00. Six semester-hour credits. Assistant Professor DOYLE. (Given in 1920-21.)

55. One course in the literature of the nineteenth century will be arranged for competent graduates. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor HENNING.

SPANISH

First Section. Primarily for Undergraduates

1. *First-Year Course*.—Hills and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. For beginners. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Assistant Professor DOYLE.

2. *First-Year Course*.—Parallel with Course 1. Hills and Ford's First Spanish Course. For beginners. Section A. *Mon., Wed., Fri.*, at 5.10. Section B. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor DOYLE, Mr. JONES.

3. *Second-Year Course*.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Assistant Professor DOYLE.

4. *Second-Year Course*.—Parallel with Course 3. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Assistant Professor DOYLE.

6. *General Survey of Modern Spanish Literature*.—The Eighteenth and Nineteenth Centuries; contemporary writers. Translation of representative works of drama, fiction, poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Composition. Open to students who have passed in Spanish 3 or 4 or have done equivalent work. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Assistant Professor DOYLE.

7. *Conversation and Composition*.—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor

of their fitness to take it. *Mon., Wed., Fri.*, at 6.00. Four semester-hour credits. Mr. SALDAÑA. This course will be given only if elected by at least twelve students at the beginning of the year.

8. *Spanish-American Prose*.—Study of some of the leading critics, essayists, and novelists: Rodó, Hostos, Blanco-Fombona, Blest Gana, etc. Lectures and collateral reading. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. First half-year, *Mon., Fri.*, at 5.10. Two semester-hour credits. Mr. JONES.

10. *Spanish-American Poetry*.—Intensive study of some of the leading poets: Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. Second half-year. *Mon., Fri.*, at 5.10. Two semester-hour credits. Assistant Professor DOYLE.

Second Section. For Undergraduates and Graduates

Courses in this group are open to students who have passed in Course 6, or otherwise satisfy the instructor of their fitness to take them.

22. *Spanish Literature of the Sixteenth and Seventeenth Centuries*.—The Golden Age. Cervantes, Calderón, Lope de Vega. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside, reading, lectures. A large amount of collateral reading will be required. *Mon., Wed., Fri.*, at 4.00. Six semester-hour credits. Assistant Professor DOYLE.

PORTUGUESE

First Section. Primarily for Undergraduates

2. *First-Year Course*.—Portuguese as a Romance Language. Phonetics and drill in pronunciation, reading aloud of texts, dictation, elementary grammar, translation and composition. For beginners. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor COUTINHO.

3. *First-Year Course*.—General survey of the history of the literature. No knowledge of Portuguese is necessary. *Mon., Fri.*, at 6.00. Four semester-hour credits. Professor COUTINHO.

4. *Second-Year Course*.—Advanced grammar, exercises, composition, translation of prose and poetry, collateral reading, conversation. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor COUTINHO.

6. *Third-Year Course*.—Language, literature and philology. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor COUTINHO.

RUSSIAN LANGUAGE

First Section. Primarily for Undergraduates

2. *First-Year Course*.—The essentials of Russian grammar; drill in pronunciation; conversation; dictation and translation. Textbook: Hossfeld's New Practical Method for Learning the Russian Language by S. Rappopost. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Mr. LEVITON.

4. *Second-Year Course*.—Review of grammar; syntax; selections from Russian Prose and Poetry; word formation; translation and conversation. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Mr. LEVITON.

SEMITIC LANGUAGES AND LITERATURE

Second Section. For Graduates and Undergraduates

20. *Elementary Hebrew*.—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. *Advanced Hebrew*.—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and postbiblical literature. Two hours a week. Four semester-hour credits. Professor SCHAPIRO.

Third Section. Primarily for Graduates

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour credits. Professor SCHAPIRO.

SUMMER SCHOOL ARTS AND SCIENCES

1919

CALENDAR

- June 18-30 Registration period, 10-12 a. m.; 4-6 p. m.
June 23 *Monday*—Instruction begins in the three-credit courses
 coming at 7.45 a. m. and in all the afternoon
 classes.
June 30 *Monday*—Instruction begins in the two-credit courses
 coming in the forenoon.
July 4 *Friday*—Holiday.
July 5 *Saturday*—Classes meet at the usual hours.

FACULTY

WILLIAM MILLER COLLIER, A.M, LL.D.. President of the University
WILLIAM CARL RUEDIGER, Ph.D.... Director of the Summer School

LEVI RUSSELL ALDEN, A.M..... Assistant Professor of History
GERTRUDE RICHARDSON BRIGHAM, Ph.D.,

Instructor in Archaeology and History of Art

THOMAS BENJAMIN BROWN, Ph.D.. Assistant Professor of Physics

DE WITT CLINTON CROISSANT, Ph.D..... Professor of English

WALTER S. DEFFENBAUGH, A.M..... Instructor in Education

HENRY GRATTAN DOYLE, A.M.,

Assistant Professor of Romance Languages

SHEPHERD IVORY FRANZ, Ph.D., M.D.,

Professor of Experimental Psychology

CHARLES EDWARD HILL, Ph.D..... Professor of Political Science

HARRY GRANT HODGKINS, A.B..... Instructor in Mathematics

HOWARD LINCOLN HODGKINS, Ph.D..... Dean of the Department of

Arts and Sciences and Professor of Mathematics

ELMER LOUIS KAYSER, A.M..... Instructor in History

ROBERT RUSS KERN, A.B..... Professor of Economics

CLARENCE CAMERON KOCHENDERFER, A.M.,

Assistant Professor of Commerce

CHARLES ELMER RESSER, Ph.D..... Instructor in Geology

EDWARD ELLIOT RICHARDSON, M. D., Ph.D.. Professor of Philosophy

WILLIAM CARL RUEDIGER, Ph.D.,

Dean of Teachers College and Professor of Educational Psychology

ALFRED FRANCIS WILLIAM SCHMIDT, A.M....Professor of German
 OTIS DOW SWETT, S.B., LL.M....Assistant Professor of Chemistry
 WILLIAM ALLEN WILBUR, A.M., Litt.D.,
 Dean of Columbian College and Professor of English

SCHEDULE OF CLASSES

The class on Re-education coming at 2.30 will begin on June 16, the two-semester-hour classes coming in the forenoon on June 30 and all the others on June 23. As a rule the two-semester-hour classes will meet five times a week for six weeks and the three-semester-hour classes six times a week for eight weeks. No classes will be held on Friday, July 4, but the six-week classes will meet on Saturday, July 5.

	A. M. 7.45-8.40	Semester-hour Credits	
SII	English Composition	2	Dr. Brigham
S26	Elementary School Problems	2	Mr. Deffenbaugh
S2a	First-year Spanish	3	Professor Doyle
S45	History of Commerce	3	Professor Kochenderfer
SXXV	Shakespeare	2	Professor Wilbur
	9-10		
SXXI	History of Art	2	Dr. Brigham
SI	Psychology	2	Professor Richardson
S26	American Poetry	2	Professor Wilbur
	10-11		
S22b	History of Education	2	Mr. Kayser
S22	General Sociology	2	Professor Kern
S3	Logic	2	Professor Richardson
	11-12		
S23	Social Problems	2	Professor Kern
SXXIII	Philosophy	2	Professor Richardson
S21a	Principles of Teaching	2	Professor Ruediger
	P. M.		
	2.30-3.30		
SXXIII	Re-education	1	Professor Franz
	5.10-6.00		
S20a	American History	3	Professor Alden
S3a	General Physics	3	Professor Brown
S32	Types of Literature	3	Professor Croissant
S2a	First-year French	3	Professor Doyle
S1a	U. S. Government	3	Professor Hill
S4b	Trigonometry	2	Mr. Hodgkins
S46	World Politics	3	Professor Kochenderfer
S3	Geography	2	Dr. Resser

SI	Library Science	3	Professor Schmidt
S1	General Chemistry	6	Professor Swett
S7a	Conversational French 5.10-6.50	2	Mr. Teillard
S2	English Rhetoric 6.00-6.50	4	Professor Wilbur
S28	Nineteenth Century Poetry	3	Professor Croissant
S2b	First-year French (2nd semester)	3	Professor Doyle
SXXII	International Relations	3	Professor Hill
S4a	College Algebra	3	Mr. Hodgkins
S5	Medieval Institutions	3	Mr. Kayser
S1a	General Economics	3	Professor Kern
S40	Economic History of U. S.	3	Professor Kochenderfer
SIV	Conversational German 6.00-7.40	3	Professor Schmidt
S2	Geology 6-10	4	Dr. Resser
S2	Laboratory Chemistry	4	Professor Swett
S3	Organic Chemistry	4	Professor Swett
S7	Qualitative Analysis 6.50-7.40	4	Professor Swett
S4a	Second-year French 6.50-8.30	3	Professor Doyle
S2a	Laboratory Physics	2	Professor Brown

OPPORTUNITIES

The opportunities for culture that may be enjoyed in Washington are unrivaled. The libraries, museums, and Government buildings are open daily for inspection and study, and both the city and vicinity are replete with places of historic interest. The knowledge of the nation's capital and its environs that may be gained during a six weeks' sojourn is alone no small part of a liberal education, and when this is combined with educational opportunities of the first order, the situation becomes ideal.

WORK OFFERED

The courses offered are all of college grade, are given by regular members of the faculty or others experienced in college teaching, and represent essentially all the subjects of study found in the Department of Arts and Sciences.

Courses which open with less than six students may be withdrawn. If courses not announced in this Bulletin are desired an effort will be made to provide them.

ADMISSION

No entrance examinations or certificates of work completed in secondary schools will be required for admission to the Summer School, but no student will be allowed to register for any except an elementary course until he has given evidence satisfactory to the instructor concerned or to the Director that he is qualified to pursue the course to advantage.

REGISTRATION

The Director's office, 2023 G Street, N. W., will be open to receive registrations from 10-12 A. M. and 4-6 P. M., after June 18. Registration for courses, changes in registration, and the dropping of courses must all be arranged through the Director's office.

CREDIT

The units of credit in semester hours carried by the several courses are indicated both in the schedule of classes on pages 127-128 and in the descriptive outlines of the course on pages 130-135. A semester-hour of work is the equivalent of a course meeting once a week throughout a semester during the regular session of the University.

Work satisfactorily completed in the Summer School will be accredited toward a degree at George Washington University on the same basis as work completed during the regular session.

CERTIFICATES

Certificates of attendance and of work satisfactorily completed will be issued on or about September 1.

FEES

Tuition fee per semester-hour \$6.00*
Laboratory fees:

Chemistry S 2, S 3, and S 7, each	\$10.00
Chemistry S 20, \$15; S 21	20.00
Physics	5.00
Breakage deposit in chemistry, the amount paid in excess of breakage to be returned, S2, S3, and S7 each	10.00
Courses S 20, \$15; S 21	20.00

The scholarships, University and Ministerial Aid available during the regular session are not applicable to the Summer School.

*Except for those George Washington University students who paid \$5.00 per semester-hour during 1918-19.

PAYMENT OF FEES

All fees are due upon registration and are payable at the Treasurer's Office, 2101 G Street. Students who find it impossible to pay their fees by July 3 should make special arrangements with the Director when they register. No certificate of attendance or of credit will be issued unless all fees have been paid.

Students who are compelled to withdraw before the end of the session should promptly notify the Director, who will make a fair adjustment of the fees. No separate registration fee is charged but one dollar of the tuition fee may not be cancelled. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

LIBRARY

The University Library, which is found in the first floor of the main building, will be open on school days from 8.45-12.15 and from 4-7, and on Saturday forenoons.

COURSES OF INSTRUCTION

The letter S, meaning Summer, is prefixed to the numbers of courses to distinguish them from the courses offered during the regular session of the University. Courses corresponding approximately to those offered during the regular session are given corresponding numbers. Courses not so corresponding are assigned Roman numerals. The letters a and b following some of the numbers signify correspondence respectively to first and to second semester work of the regular session.

ART

S XXI. *History of Art.* An introductory course in the schools of painting and sculpture, from prehistoric to modern times, including especially Egyptian, Greek, Renaissance, intermediate, English, French, and American art.

Illustrated lectures. Visits to the National Gallery, the Library of Congress, and other collections. Special study may be arranged for advanced students. At 9. Two semester-hour credits. Dr. Brigham.

Chemistry

S 1. *General Chemistry.*—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. Daily at 5.10. Six semester-hour credits. Assistant Professor SWETT.

S 2. *Laboratory Practice.*—A laboratory course for the study of the principles of chemistry and the method of conducting

chemical experiments. Daily 6-10. Four semester-hour credits. Assistant Professor SWETT.

(NOTE: Courses S 1 and S 2 should be taken together. Courses S 20, *Qualitative Analysis*, six semester-hour credits, and S 21, *Quantitative Analysis*, eight semester-hour credits, will be given if demanded.)

S 3. *Organic Experiments and Inorganic Preparations*.—First twelve periods, experiments in organic chemistry; last eighteen periods, syntheses of inorganic compounds. Daily 6-10. Four semester-hour credits. Assistant Professor SWETT.

S 7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. Daily 6-10. Four semester-hour credits. Assistant Professor SWETT.

Economics and Sociology

S 2a. *General Economics*.—An outline course in the principles of political economy, devoted mainly to the study of the processes of fixing market prices and to a study of the problems of rent, interest, wages, and profits. Daily at 6. Three semester-hour credits. 45 periods. Professor KERN.

S 22. *General Sociology*.—An outline course in the principles of sociology devoted mainly to the study of the organization of society, the social systems, their functions, efficiencies, and programs for their development period. At 10. Two semester-hour credits. Professor KERN.

S 23. *Modern Social Problems*.—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite, the course in general sociology. At 11. Two semester-hour credits. Professor KERN.

S 40. *Economic History of the United States*.—Conditions that led to the colonization of this continent; growth of industry, agriculture, commerce, transportation, labor and capital; industrial and commercial problems of to-day. Daily at 6. Three semester-hour credits. 45 periods. Assistant Professor KOCHENDERFER.

S 45. *History of Commerce*.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. Daily at 7.45. Three semester-hour credits. 45 periods. Assistant Professor KOCHENDERFER.

S 46. *Economic Background of World Politics*.—The economic development of Europe during the past hundred years; rival imperial ambitions in the Far East, the Balkans, etc.; economic issues leading up to the world war; immigration, socialism, social reform measures, social insurance, agrarian problems. Daily at

5.10. Three semester-hour credits. 45 periods. Assistant Professor KOCHENDERFER.

Education

S 21a. *Principles of Teaching*.—A course in the principles underlying the teaching process: Vitalizing instruction, motivation, the types of subject-matter, class-room procedure, educational guidance. At 11. Two semester-hour credits. Professor RUEDIGER.

S 22b. *History of Modern Education*.—A study of the development of educational theories and methods since the Renaissance. At 10. Two semester-hour credits. Mr. KAYSER.

S XXIII. *Re-education*.—A course on the needs, possibilities, methods and results of re-education for reconstruction aids and others interested in education for defects. Among the topics treated are: Needs and principles of re-education, psychology and pedagogy of habit formation, education of speech defectives, the deaf and dumb, the blind, the maimed, the paralyzed, the nervous and the psychotic.

This course is given in cooperation with the First National Service School, 1606 20th Street, N. W., whose Fourth Encampment will be held in Washington June 15-July 5. The fee for students of the Encampment will be covered by the general fee paid to the Service School; for others a special fee of five dollars for the course has been set.

Fifteen lectures, beginning June 16 and closing July 3. One semester-hour credit. At 2.30. Professor FRANZ and special lecturers.

S 26. *Elementary School Problems*.—A practical course for elementary school teachers and supervisors. Among the problems considered are: school discipline, classroom organization, methods of teaching. Text, collateral reading, and discussion. Much use is made of the chapters on Instruction in school survey reports. At 7.45. Two semester-hour credits. Mr. DEFFENBAUGH.

English

S 2. *English Rhetoric*.—A course covering the entire text of English Rhetoric. 5.10-6.50. Four semester-hour credits. Professor WILBUR.

S II. *English Composition*.—Practice in self-expression; correction of common errors; facility in writing; methods of research; the short story. Theme work, class discussion, and lectures. Special help for personal needs. At 7.45. Two semester-hour credits. Dr. BRIGHAM.

Note. The completion of course S 2 and S II together will be

accepted in full satisfaction of the curriculum requirement in Freshman English.

S XXV. *Shakespeare*. The English Historical Plays.—King John, King Richard II, King Henry IV, pts. 1, 2, King Henry V, King Henry VI, pts. 1, 2, 3, King Richard III, King Henry VIII. At 7.45. Two semester-hour credits. Professor WILBUR.

S 26. *American Poetry*.—Studies of American ideals as revealed in poetry. At 9. Two semester-hour credits. Professor WILBUR.

S 28. *Nineteenth Century Poetry from Browning to Rupert Brooke*.—Lectures and reading. Daily at 5.10. Three semester-hour credits. 45 periods. Professor Croissant.

S 32. *Types of Literature*. Lectures on the types and principles of literature with collateral reading. Daily at 6. Three semester-hour credits. 45 periods. Professor CROISSANT.

French

See Romance Languages

Geology

S 2. *Geology*.—Systematic geology; dynamical, structural and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's *Geology*. 6.00-7.40. Four semester-hour credits. Dr. RESSER.

S 3. *Principles of Geography*.—The course considers the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It includes a study of the general geographical principles, including those of physiography and climate, and their application. At 5.10. Two semester-hour credits. Dr. RESSER.

German

S IV. *Conversation and Rapid Reading*. This course is open to students who have had one year of college German or its equivalent. Daily at 6. Three semester-hour credits. 45 periods. Professor SCHMIDT.

S 2a. *First-Year German*, S 6a *Second-year German*, or S 8a *Third-Year German* will be given if requested by at least six students.

History

S 20a. *American History*.—A study of the development of American nationality from the adoption of the constitution through

the first half of the nineteenth century. Text-books, lectures, and reports. Daily at 5.10. Three semester-hour credits. 45 periods. Assistant Professor ALDEN.

S 5. *Medieval Institutions*.—A general survey of medieval life with special reference to the culture and the institutional development of the Middle Ages. Daily at 6. Three semester-hour credits. 45 periods. Mr. KAYSER.

Library Science

S 1a. *Principles of Library Science*. This course is designed to cover the general principles of library science and will consist of practical work as well as lectures. Daily at 5.10. Three semester-hour credits. Professor SCHMIDT.

S 1b. A continuation course extending beyond the regular session of the Summer School will be offered either in general principles or along special lines. Special work may be arranged for advanced students. Three semester-hour credits. 45 periods. Professor SCHMIDT.

Mathematics

S 4a. *College Algebra*.—Bowser's College Algebra. Ratio and proportion. Chapter XVI to the end of the book. Daily at 6. Three semester-hour credits. 45 periods. Mr. HODGKINS.

S 4b. *Plane Trigonometry*.—Crocket's Trigonometry. All of plane trigonometry. At 5.10. Two semester-hour credits. Mr. HODGKINS.

NOTE. These courses will be duplicated respectively at 9 and at 10 by Professor HODGKINS if the demand justifies.

Philosophy and Psychology

S 1. *General Psychology*.—An introductory study of the principal facts and laws of the mental life. At 9. Two semester-hour credits. Professor RICHARDSON.

S 3 *Logic*.—The principles of deductive and inductive inference. At 10. Two semester-hour credits. Professor RICHARDSON.

S XXIII. *Introduction to Philosophy*.—A course, designed for beginners in philosophy, dealing with the nature of philosophy, the principles underlying it, and the principal theories that have arisen in the development of philosophic thought. This course is intended to give a general survey of the subject and to lead to more advanced work. At 11. Two semester-hour credits. Professor RICHARDSON.

Physics

S 2a and S 2b. *Laboratory Physics*. Either (a) or (b) may be taken, but not both. 6.50-8.30. Two semester-hour credits for either. Assistant Professor BROWN.

S 3a. *Introductory General Physics*. Mechanics, heat, and

electrostatics. Daily at 5.10. 45 periods. Three semester-hour credits. Assistant Professor BROWN.

Political Science

S 1a. *Government of the United States*.—This course includes a brief study of the factors that led to union among the colonies, of the second Continental Congress, the Articles of Confederation and of the organization and functions of the federal government. Daily at 5.10. Three semester-hour credits. 45 periods. Professor HILL.

S XXII. *Our International Relations*.—A study of the place of the United States in the family of nations: The historical setting of our leading treaties, a sketch of the negotiators and their work, the bearing of the terms of the treaties on later events. Daily at 6. 45 periods. Three semester-credits. Professor HILL.

Romance Languages

French

S 2a. *First-Year Course*.—Essentials of French grammar, drill in pronunciation; oral and written composition; translation of modern French prose. For beginners. Fraser and Squair's French Grammar (Heath). Daily at 5.10. 45 periods. Three semester-hour credits. Assistant Professor DOYLE.

S 2b. *First-Year Course*—(Second Semester.) Open to students who have had one year of high school French or one semester of college French. Daily at 6. 45 periods. Three semester-hour credits. Assistant Professor DOYLE.

S 4a. *Second-year Course*.—Review of French Grammar (Fraser and Squair's French Grammar, Heath); oral and written composition; translation of modern French prose. First text, Sarcey's *Le Siege de Paris* (Heath); others to be announced. Open to students who have received credit for one year of College French, or its equivalent. Daily at 6.50. 45 periods. Three semester-hour credits. Assistant Professor DOYLE.

Spanish

S 2a. *First-Year Course*.—Elements of Spanish Grammar; drill in pronunciation; oral and written composition; translation of modern Spanish prose. Texts: Hills and Ford's *First Spanish Course* (Heath); De Vitis' *Spanish Reader* (Allyn & Bacon). Daily at 7.45. 45 periods. Three semester-hour credits. Assistant Professor DOYLE.

S 3a. *Second-Year Course*.—If six or more students apply, a course in second-year Spanish will be provided, with special attention to conversation and commercial correspondence, if desired. 45 periods. Three semester-hour credits.

DEPARTMENT OF MEDICINE, INCLUDING THE
MEDICAL SCHOOL, UNIVERSITY HOSPITAL AND
DISPENSARY, THE TRAINING SCHOOL FOR
NURSES AND THE DENTAL SCHOOL

MEDICAL SCHOOL

Faculty

WILLIAM MILLER COLLIER, A.M., LL.D., President of the University
WILLIAM CLINE BORDEN, M.D.,

Dean, Department of Medicine and Professor of Surgery

OSCAR BENWOOD HUNTER, A.M., M.D.,

Professor of Bacteriology and Pathology and Assistant Dean

GEORGE NICHOLAS ACKER, A.M., M.D.,

Professor of Pediatrics and Clinical Professor of Medicine

HENRY CRÈCY YARROW, M. D., Professor of Dermatology, Emeritus

STERLING RUFFIN, M.D.....Professor of Medicine

CHARLES WILLIAMSON RICHARDSON, M.D.,

Professor of Laryngology, Rhinology, and Otology

JOHN WESLÈY BOVÈE, M. D.....Professor of Gynecology

THOMAS ASH CLAYTOR, M.D. Clinical Professor of Medicine

AURELIUS RIVES SHANDS, M. D.,

Clinical Professor of Orthopedic Surgery

RANDOLPH BRYAN CARMICHAEL, M.D...Professor of Dermatology

FRANCIS RANDALL HAGNER, M.D.,

Professor of Genito-Urinary Surgery

ALBERT LIVINGSTON STAVELY, M. D.,

Clinical Professor of Gynecology

WILLIAM ALANSON WHITE, M.D.,

Professor of Psychiatry and Clinical Professor of Neurology

SHEPHERD IVORY FRANZ, Ph.D., LL.D., M.D.,

Professor of Physiology

BUCKNER MAGILL RANDOLPH, M.D.,

Professor of Materia Medica and Therapeutics

*LUTHER HALSEY REICHELDERFER, M.D.,

Clinical Professor of Surgery

LOUIS ANATOLE LAGARDE, M.D.,

Professor of Military Surgery and Sanitation

GIDEON BROWN MILLER, S.B., M.D.,

Clinical Professor of Gynecology

*Absent on Military Service.

- WILLIAM SINCLAIR BOWEN, M.D...Clinical Professor of Obstetrics
 OSCAR ADDISON MACK McKIMMIE, M.D.,
 Clinical Professor of Laryngology and Otology
 CARL LAWRENCE DAVIS, M.D.....Professor of Anatomy
 *EDWARD RHODES STITT, A.B., M.D.
 Professor of Tropical Medicine
 FRANK LEECH, M.D. Clinical Professor of Medicine
 HURON WILLIS LAWSON, S.M., M.D....Professor of Obstetrics
 FRANK ADELBERT HORNADAY, S.B., M.D.
 Professor of Chemistry and Dietetics
 THOMAS CHARLES MARTIN, M.D.....Professor of Proctology
 *HARRY HYLAND KERR, M.D.....Clinical Professor of Surgery
 WILLIAM PINKNEY REEVES, M.D...Clinical Professor of Surgery
 EDGAR SNOWDEN, M.D.,
 Professor of Hygiene and Clinical Associate in Obstetrics
 TRUMAN ABBE, M.D.....Professor of Roentgenology
 *MONTGOMERY EARL HIGGINS, M.D., Professor of Tropical Medicine
 JAMES CHAMBERS PRYOR, A.M., M.D.,
 Professor of Preventive Medicine and Hygiene
 HARRY S. BERNTON, M. D., Professor of Medical Jurisprudence
 WILLIAM TORNWALL DAVIS, M. D., Professor of Ophthalmology
 JOHN K. BUTKIEWICZ, D.D.S.....Professor of Histology
 WILLIAM HARRY SCHULTZ, Ph.D., Ph.B.,
 Professor of Pharmacology, Experimental Physiology and
 Librarian
 CURTIS LEE HALL, M.D.....Professor Orthopedics
 CHARLES STANLEY WHITE, M.D...Associate Professor of Surgery
 DANIEL LERAY BORDEN, A.M., M.D.
 Associate Professor of Surgery
 GLENMORE FORD CLARK, M.D.,
 Associate Professor of Tropical Medicine
 WILLIAM BRAWNER HATFIELD, A.B., M.D.,
 Associate Professor of Tropical Medicine
 TOMAS CAJIGAS, M.D.,
 Associate Professor of Bacteriology and Pathology
 JOSEPH HYRAM ROE, A.B., A.M.,
 Associate Professor of Chemistry
 JOHN BENJAMIN NICHOLS, M.D.....Associate in Medicine
 EDGAR PASQUAL COPELAND, M.D.....Associate in Pediatrics
 HARRY HAMPTON DONNALLY, A.M., M.D.,
 Clinical Associate in Pediatrics
 HENRY RANDALL ELLIOTT, M.D.....Associate in Physiology
 J. LEWIS RIGGLES, M.D.....Associate in Gynecology

*Absent on Military Service.

*WILLIAM CABELL MOORE, M.D.....Associate in Medicine
 CHARLES AUGUSTUS SIMPSON, M.D.,

Clinical Associate in Dermatology

COURSEN BAXTER CONKLIN, S.B., M.D.....Associate in Medicine

JOSEPH DECATUR ROGERS, M.D.,

Clinical Associate in Obstetrics and Surgery

*ROBERT YOUNG SULLIVAN, M.D...Clinical Associate in Obstetrics

CHARLES WHEATLEY, M.D.....Clinical Associate in Pediatrics

CHARLES WILBUR HYDE, M.D.....Associate in Medicine

WILLIAM JOHNSTON MALLORY, A.M., M.D..Associate in Medicine

J. LAWN THOMPSON, M.D.....Associate in Medicine

JAMES CHARLES HASSALL, M.D.,

Clinical Associate in Psychiatry and Neurology

EVERETT MONROE ELLISON, A.M., M.D.,

Clinical Associate in Medicine

THOMAS LINVILLE, M.D.....Clinical Associate in Medicine

EDWARD GRANT SEIBERT, M.D.,

Clinical Instructor in Laryngology and Ophthalmology

WALTER HIBBARD MERRILL, M.D.,

Instructor in Electro-Therapeutics and Roentgenology

JOHN POTTS FILLEBROWN, M.D....Clinical Instructor in Surgery

VIRGIL B. JACKSON, M.D.....Clinical Instructor in Gynecology

EDMUND THOMAS MURDAUGH FRANKLIN, M.D.,

Clinical Instructor in Surgery

ADAM KEMBLE, M.D.,

Clinical Instructor in Genito-Urinary Surgery

HOMER GIFFORD FULLER, M.D.,

Clinical Instructor in Genito-Urinary Surgery

CLINE N. CHIPMAN, M.D.....Instructor in Anaesthesia

*ALBERT PERKINS TIBBETS, A.B., M.D.,

Clinical Instructor in Laryngology

ELIJAH WHITE TITUS, Phar.D., M.D., Instructor in Pediatrics

WILLIAM HENRY HUNTINGTON, M.D.,

Clinical Instructor in Laryngology and Otology

HARRY SAMUEL LEWIS, M.D.....Instructor in Surgery

JOHN HUNTER SELBY, M.D. Instructor in Roentgenology

ROBERT SAMUEL TRIMBLE, M.D....Clinical Instructor in Medicine

*WILLIAM BROWNE CARR, M.D....Instructor in Morbid Anatomy

OLIVER CLEMENCE COX, M.D. Instructor in Surgery

WILLIAM BERRY MARBURY, M.D.....Instructor in Surgery

SAMUEL HARRISON GREENE, M.D.,

Clinical Instructor in Laryngology and Otology

*Absent on Military Service.

- WILLIAM HOUSTON LITTLEPAGE, M.D.,
Clinical Instructor in Medicine
- WILLIAM DAVID TEWKSBURY, M.D.,
Clinical Instructor in Medicine
- THOMAS MADDEN FOLEY, M.D., Instructor in Orthopedic Surgery
- HOWARD FRANCIS KANE, A.B., M.D.....Instructor in Obstetrics
- CARROL EDWARD BINGMAN, M.D....Clinical Instructor in Medicine
- SAMUEL BOYCE POLE, M.D.,
Clinical Instructor in Laryngology and Otology
- NELSON DUVAL BRECHT, M.D.....Instructor in Gynecology
- ROBERT READ RAFTER, M.D.....Instructor in Medicine
- RALPH COHEN, M.D.....Instructor in Anatomy
- WILLIAM BINFORD KING Instructor in Anatomy
- MARY O'MALLEY, M.D.,
Clinical Instructor in Psychiatry and Neurology
- CHARLES O. KNOTT, M.D., Instructor in Genito-Urinary Surgery
- GEORGE G. MORRIS, M.D. Clinical Instructor in Surgery
- GEORGE H. RAWSON, M.D. Instructor in Anatomy
- CHARLES D. EASTON, M.D. Clinical Instructor in Pediatrics
- EARL GRIFFITH BREEDING, A.B., M.S., M.D.,
Instructor in Laryngology and Otology
- CYRUS W. CULVER, M.D. Clinical Instructor in Obstetrics

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY
HOSPITAL AND DISPENSARY

Hospital

STERLING RUFFIN, M. D.....	Physician-in-Chief
GEORGE NICHOLAS ACKER, M. D.,	
	Pediatrician-in-Chief and Associate Physician
BUCKNER MAGILL RANDOLPH, M.D.....	Associate Physician
COURSEN BAXTER CONKLIN, M.D.....	Associate Physician
WILLIAM CLINE BORDEN, M.D.....	Surgeon-in-Chief
CHARLES STANLEY WHITE, M.D.....	Associate Surgeon
DANIEL LERAY BORDEN, M.D.....	Associate Surgeon
AURELIUS RIVES SHANDS, M.D.....	Orthopedic Surgeon
FRANCIS RANDALL HAGNER, M.D.....	Genito-Urinary Surgeon
HOMER GIFFORD FULLER, M.D..	Associate Genito-Urinary Surgeon
JOHN WESLEY BOVÉE, M.D.....	Gynecologist-in-Chief
HURON WILLIS LAWSON, M.D.....	Obstetrician-in-Chief
EDGAR PASQUAL COPELAND, M.D.....	Associate Pediatrician
HENRY CRÈCY YARROW, M.D.....	Dermatologist-in-Chief
RANDOLPH BRYAN CARMICHAEL, M.D....	Associate Dermatologist
CHARLES WILLIAMSON RICHARDSON, M.D.....	Laryngologist
DANIEL KERFOOT SHUTE, M.D.....	Ophthalmologist
WILLIAM KENNEDY BUTLER, M.D.....	Ophthalmologist
EDWARD GRANT SEIBERT, M. D.,	
	Associate Laryngologist and Ophthalmologist

General Surgery

TRUMAN ABBE, M.D.....	Roentgenologist-in-Chief
JOHN HUNTER SELBY, M.D.....	Roentgenologist
WALTER HIBBARD MERRILL, M.D.....	Roentgenologist
OSCAR BENWOOD HUNTER, M.D.....	Pathologist
TOMAS CAJIGAS, M.D.....	Director of the Clinical Laboratory
SAMUEL MOFFETT BITTENDER, M.D.....	Resident Physician
CHARLES JAMES BARONE.....	Senior Student Interne
JOSEPH KREISELMAN.....	Senior Student Interne
THOMAS BENTON CRISP, Phar.D.....	Senior Student Interne
LILLIAN JANE BLACKWELL, R.N....	Superintendent of Nurses and Principal of the Training School for Nurses
PATRICK P. VANE.....	Business Superintendent

Dispensary

STERLING RUFFIN, M.D.....	Physician-in-Chief
JOHN WESLEY BOVÉE, M.D.....	Gynecologist-in-Chief
WILLIAM CLINE BORDEN, M.D.....	Surgeon-in-Chief
HURON WILLIS LAWSON, M.D.....	Obstetrician-in-Chief
CHARLES O. KNOTT, M.D.....	Director of the Dispensary

General Medicine

BUCKNER, MAGILL RANDOLPH, M.D.....Attending Physician
 *WILLIAM CABELL MOORE, M.D.....Attending Physician
 WILLIAM JOHNSTON MALLORY, M.D.....Attending Physician
 ROBERT S. TRIMBLE, M.D.....Attending Physician
 THOMAS LINVILLE, M.D.....Attending Physician
 FRANK A. HORNADAY, M.D.....Attending Physician
 MORRIS CATZVA, M.D.....Attending Physician
 RALPH COHEN, M.D.....Attending Physician

General Surgery

TRUMAN ABBE, M.D.....Attending Surgeon
 JOHN POTTS FILLERBROWN, M.D.....Attending Surgeon
 HENRY K. CRAIG, M.D.....Attending Surgeon

Genito-Urinary Diseases

FRANCIS RANDALL HAGNER, M.D.....Genito-Urinary Surgeon
 ADAM KEMBLE, M.D.....Attending Surgeon
 CHARLES O. KNOTT, M.D.....Attending Surgeon

Gynecology

DANIEL LERAY BORDEN, M.D.....Attending Gynecologist

Obstetrics

HURON WILLIS LAWSON, M.D.....Obstetrician-in-Chief
 CYRUS W. CULVER, M.D.,

Attending Obstetrician, Out-Patient Service

Eye, Ear, Throat and Nose

EDWARD GRANT SEIBERT, M.D..Laryngologist and Ophthalmologist
 *ALBERT PERKINS TIBBETS, M.D.,
 Attending Laryngologist and Otologist
 SAMUEL BOYCE POLE, M.D..Attending Laryngologist and Otologist

Roentgenology

TRUMAN ABBE, M.D.....Roentgenologist-in-Chief
 JOHN HUNTER SELBY, M.D.....Roentgenologist

Dermatology

CHARLES AUGUSTUS SIMPSON, M.D.....Attending Dermatologist

Pathology

OSCAR BENWOOD HUNTER, M.D.....Pathologist

Laboratory

TOMAS MOREAU CAJIGAS, M.D.....Director

*Absent in Military Service

Medical Building

OSCAR BENWOOD HUNTER, M.D....Superintendent of the Building
 WILLIAM HARRY SCHULTZ, Ph.B., Ph.D.....Librarian
 ANNA ELIZABETH SELLNER.....Secretary to the Dean

HISTORICAL

The *Medical School of the George Washington University*, in the chronological order of establishment, is the seventeenth Medical School in the United States. The first course of lectures began in March, 1825. For many years the school was known as the National Medical College; subsequently as the Department of Medicine of the Columbian University. By virtue of an act of Congress approved January 23, 1904, the Columbian University changed its name to "The George Washington University."

When first established, and for many years thereafter, this school, like most others in this country, gave only a two years' course of five months each. In 1878 the course was lengthened by the establishment of a Spring Session devoted to lectures in certain special subjects. In 1879 the course was lengthened to seven months and attendance upon three annual sessions required, and in 1893 attendance on four annual courses was made obligatory upon all candidates for the degree of Doctor of Medicine. In order to increase the facilities for actual bedside teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the Medical School. In 1902 the old Medical School building, in which the exercises had been held since 1867, gave place to the present large and commodious structure.

EDUCATIONAL POSITION

The Medical School of the University has been for several years a member of the Association of American Medical Colleges. It is one of Medical Colleges designated as "class A," by the American Medical Association, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

The degree of M. D. given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate work in those states which require hospital internship, will admit a graduate of our Medical School to all state examinations.

These facts guarantee the character of the work done by the School and insure its students and graduates all the advantages which accrue from such association and recognition.

BUILDINGS AND OTHER FACILITIES

Buildings of the Medical Department

All the buildings adjoin each other and consist of the Medical School Building and the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

Medical School Building.—A modern commodious, five-story structure with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and students' rooms. It has an elevator service, and is equipped throughout with steam heat, gas, electricity, and all modern improvements.

Laboratories.—Six in number (for anatomy, chemistry, physiological and clinical chemistry, histology and embryology, physiology and pharmacology, and bacteriology and pathology) are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and research methods.

University Medical Library.—Open for study and consultation from 9 a.m. to 4 p.m. with a Librarian who is a graduate of Medicine in charge. It contains at present more than 2,000 volumes, and provision is made to add to it as published the important new works on medicine. The most important medical periodicals are regularly received. The library is an excellent working collection, as it affords opportunity to read up adequately on the subjects presented in the courses.

Pathological Museum.—Contains a great many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

ADVANTAGES OF LOCATION

Place for Pursuing the Study of Medicine

This city now has nearly a half million inhabitants, providing abundant clinical material to the hospitals, which have an aggregate of about four thousand beds. In these hospitals clinical instruction, in addition to that in the University Hospital, is given by members of the Faculty.

The *great libraries* and *museums* connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's Office of the United States Army is the most complete medical library in the world, and all leading medical periodicals of the world are subscribed for. All the facilities of this great library are open to *medical students*. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various Government offices, all of which are open to students.

The *Army Medical Museum* affords an unrivaled opportunity for studying the conditions met with in military and general surgery. It contains on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. Other Government museums are the Museum of Hygiene, in connection with the Medical Department of the Navy and the National Museum. The Botanic Gardens, the Smithsonian Institution, the Fish Commission, and the Department of Agriculture, all afford opportunities for study both in medicine and its collateral sciences.

On account of the many advantages offered in this city, the *Army and Navy Medical Schools* have been here located. The Alumni of this School are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them. Ten per cent of the total number of the regular medical corps of the United States Army are graduates of this School.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is seat of the General Government, are broad and national, make it an ideal place for a medical student to pass his four years of study.

ADMISSION

The requirements for admission to the Medical School are as follows:

Candidates for matriculation must present creditable certificates of good moral character from two physicians in good standing.

The educational requirements for admission are:

A. The minimum requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited

high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in Groups I-V:

<i>Subjects</i>	<i>Units*</i>	<i>Required</i>
Group I, English—		
Literature and composition.....	3-4	3
Group II, Foreign Languages—		
Latin	1-4	2†
Greek	1-3	
French or German.....	1-4	
Other foreign languages.....	1-4	
Group III, Mathematics—		
Elementary algebra	1	1
Advanced algebra.....	½-1	
Plane geometry	1	1
Solid geometry.....	½	
Trigonometry	½	
Group IV, History—		
Ancient history.....	½-1	1
Medieval and modern history.....	½-1	
English history.....	½-1	
American history	½-1	
Civil government	½-1	
Group V, Science—		
Botany	½-1	
Zoology	½-1	
Chemistry	1	
Physics	1	
Physiography	½-1	
Physiology	½-1	
Astronomy	½	
Geology	½-1	

* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

† Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the language specified.

<i>Subjects</i>	<i>Units</i>	<i>Required</i>
Group VI, Miscellaneous—		
Agriculture	1-2	
Bookkeeping	½-1	
Business law	½	
Commercial geography	½-1	
Domestic science	1-2	
Drawing, freehand and mechanical.....	½-2	
Economics and economic history.....	½-1	
Manual training	1-2	
Music: Appreciation and harmony.....	1-2	

COLLEGE WORK

	SEMESTER HOURS REQUIRED:
Chemistry	*8
Physics	8
Biology	8
English	6
Electives	30

Chemistry.—The eight semester hours required must be in general inorganic chemistry and include four semester hours of laboratory work. Qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required after January 1, 1920, shall consist of work in organic chemistry.

Physics.—The eight semester hours required must include at least two semester hours in laboratory work. It is urged that this course be preceded by a course in trigonometry.

Biology.—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology or by a course of four semester hours each in zoology and botany, but not by botany alone.

English Composition and Literature.—The usual introductory college course of six semester hours, or its equivalent, is required.

Electives.—It is recommended that the thirty semester hours required include a modern foreign language, comparative vertebrate anatomy, social science and psychology.

* 12 semester hours in Chemistry required after January 1, 1920.

A semester hour is the credit value of one-half year's work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net; at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period; and the year to be not less than thirty-three weeks of actual work.

B. A Bachelor's degree from an approved college or University, provided the holder of such degree presents satisfactory credentials, covering college work in chemistry, physics, biology and English as outlined in the preceding paragraphs.

An examination is given by the University in the latter part of May and September of each year to students who are deficient in whole or part of the subjects required for entrance to the Pre-medical Course. Candidates desiring examination must submit an application for the examination and submit certificates of character to the Dean before the first of the month in which they desire to be examined.

Certificates from reputable instructors recognized by the State Board of Medical Examiners duly authorized by law or by the Superintendent of public instruction in States having no examining board may be accepted in lieu of any part of the examination.

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states and candidates are advised that if they meet the premedical and other requirements of this school they will be able to comply with these legal demands of all state examining boards in the United States. Any standard lower than that of this institution will not meet the requirements of all the states in the Union.

Courses are offered by the University to meet the requirement in two years of college work necessary to enter the freshman class of Medicine.

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

First Year

	SEMESTER HOURS
*Chemistry 1 and 2	10
Zoology 1	6
English 1 or 2	6
Electives, (including preferably French or German). ..	8
Total	30

* Twelve semester hours required after January 1, 1920.

Second Year

	SEMESTER HOURS
Physics 3 and 2	10
Zoology 2	6
Electives (preferably Psychology, Mathematics and Chemistry)	14
Total	30

Courses and Degrees offered by the University in addition to or in continuation with the course for the degree of Doctor of Medicine.

The University offers a six-year combination course, by which a student may obtain the degree of Bachelor of Science in Medicine and Doctor of Medicine.

Admission to Columbian College

Applicants for admission to the Freshman Class in Columbian College for the combined courses leading to the degrees of Bachelor of Arts or Bachelor of Science in Medicine and Doctor of Medicine must meet the general admission requirements of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirements must include English, 3 units; Mathematics, 2½ units, and one of the following languages: Latin, Greek, French, German, or Spanish 2 units.* The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

SIX YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF

MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of

Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the combined six-year course is as follows:

a. **Columbian College**

Freshman Year

	SEMESTER HOURS
Chemistry 1 and 2	10
English 1 or 2	6
French or German	6
Mathematics	6
Zoology 1	6
	34

Sophomore Year

	SEMESTER HOURS
Chemistry 7 and 23	8
French or German	6
Philosophy including Psychology	6
Physics 3 and 2	10
Zoology 2	6
	36

b. **Medical School**

The four-year course for the degree of Doctor of Medicine.

**SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR
OF ARTS AND DOCTOR OF MEDICINE**

Regular students in this course will complete at least 90 semester-hours as prescribed in Columbian College and the first year course in the Medical School. On completion of the prescribed 90 semester hours of college work and the first year of the regular course in Medicine, the student will receive the degree of Bachelor of Arts.

The hours of prescribed work, at least 12 semester hours of which must be taken in Columbian College, are as follows:

Columbian College:

SUBJECT	SEMESTER HOURS
Zoology, 1, 2	12
Chemistry 1, 2, 7, 23	18
English	6
French and German	18
History	6
Mathematics	6
Physics 3 and 2	10
Philosophy	6
Electives (including not to exceed 30 semester-hours in Medicine)	38

ADMISSION OF STUDENTS FROM OTHER SCHOOLS

Students who have attended one or more terms at any other medical college in good standing, and who have the necessary preliminary educational requirements, may be admitted to advanced standing upon passing the examination required of students for the stage at which they propose to enter, or upon presenting certificates of examination covering courses equal to those in this School.

Students who have been in attendance upon an Arts course in other accredited colleges or universities may be admitted to advanced standing in any of the premedical courses offered by the University upon examination or upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

Students, approved by the Dean, not candidates for the degree of Doctor of Medicine, may be admitted as special students to any of the courses, provided they have the educational attainments which will enable them to pursue properly the studies they elect.

ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study for the degree of Doctor of Medicine consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the ninety-seventh, begins September 24, 1919, and ends June 2, 1920.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, bedside instruction, and hospital and dispensary clinics. Particular stress is laid upon laboratory work and clinical teaching. The clinical material of the University Hospital and Dispensary is utilized to the fullest extent, as the Hospital, the Dispensary, and the Medical School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in medicine. These lectures are followed by systematic and thorough quizzes, so that it may be certain that the students properly and thoroughly grasp the ideas presented by the lecturers.

The recitation and quiz work is made so complete that students do not need to employ private quizmasters.

The object sought throughout the courses is to ground thoroughly the students in the knowledge which is necessary to a practitioner of medicine. No particular attempt is made to graduate specialists in any subject. It is believed that the four years allowed are no more than sufficient time for the adequate preparation of the general practitioner.

The policy adopted by the School is to give a comprehensive, well graded and well-proportioned course—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Boards.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in *italics*:

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
<i>Anatomy.</i> <i>Histology.</i> <i>Embryology.</i> <i>Physiology.</i> <i>Chemistry.</i> <i>Ethics.</i>	<i>Anatomy.</i> <i>Physiological</i> <i>Chemistry.</i> <i>Pathology.</i> <i>Bacteriology.</i> <i>Materia Medica.</i> <i>Pharmacology.</i> <i>Minor Surgery.</i> <i>Physical</i> <i>Diagnosis.</i> <i>Pathological</i> <i>Physiology.</i> <i>Hygiene.</i> <i>Psychology.</i>	<i>Medicine.</i> <i>Surgery.</i> Fractures and Dislocations. Clinical Microscopy. <i>Obstetrics.</i> <i>Therapeutics.</i> Roentgenology. Radiotherapy. <i>Gynecology.</i> Medical Jurisprudence. Clinical Chemistry. Dietetics. Tropical Medicine <i>Clinics.</i>	<i>Medicine.</i> <i>Surgery.</i> Orthopædics Genito-Urinary Diseases. Operative Surgery. Military Surgery and Sanitation. <i>Obstetrics.</i> <i>Gynecology.</i> Laryngology and Otology. Ophthalmology. Dermatology. Psychiatry. Pediatrics. Neurology. <i>Ethics.</i> <i>Clinics.</i>

The *clinics* above listed comprise the medical, surgical, and other clinics given in the third and fourth years, and are as hereafter noted under the announcements of the different clinical subjects.

OUTLINE OF CURRICULUM

Hours of Required Work in each subject
(On the basis of 32 actual weeks in each year)

SUBJECT	YEARS	HOURS	
		Totals*† Didac- tic, Lab. and Clinical	Didactic not to exceed
Anatomy	I	440	90
Anatomy	II	210	30
		— 650	— 120
Histology and Embryology	I	267	60
		— 267	— 60
Chemistry	I	308	90
Chemistry	II	100	30
		— 408	— 120
Physiology	I	184	72
Physiology	II	68	32
		— 252	— 104
Psychology	II	32	32
		— 32	— 32
Bacteriology	II	126	30
Pathology	II	282	60
		— 408	— 90
Hygiene	II	32	32
		— 32	— 32
Dietetics	III	24	24
		— 24	— 24
Pharmacology	II	160	28
Materia Medica	II	48	48
		— 208	— 76
Therapeutics	III	64	64
Radiotherapy	III	8	8
		— 72	— 72
Gynecology	III and IV	144	48
		— 144	— 48
Obstetrics	III and IV	192	64
		— 192	— 64

* The number of hours represents the amount of time each student devotes to the course. In addition to the hours scheduled in the third and fourth years, each student is required to do satisfactorily considerable practical work; he is assigned to cases in the University and Garfield Hospitals, is required to assist at operations, to attend cases of labor, administer anaesthetics, attend autopsies, and to take the history of cases. Fully 120 hours annually are required to do this unscheduled work.

† Subject to variation.

SUBJECT	YEARS	HOURS (continued)	
		Totals Didactic, Lab. and Clinical	Didactic not to exceed
Medicine	II, III, IV		
General Medicine		606	200
Clinical Microscopy		48	16
Physical Diagnosis		80	40
Tropical Diseases		12	12
Dermatology		48	12
Pediatrics		120	18
Neurology		64	24
Psychiatry		42	12
Medical Jurisprudence		30	30
Clinical Chemistry		48	12
		— 1098	— 376
Surgery	II,III, IV		
General Surgery		540	144
Minor Surgery		40	20
Radiography		16	0
Fractures, etc.		16	16
Military Surgery and Sanitation		16	16
Ophthalmology		64	16
Otology and Laryngology ..		60	24
Genito-Urinary Surgery		48	16
Orthopedics		48	16
		— 848	— 268
Grand totals		4635	1486

ANATOMY

CARL LAWRENCE DAVIS, M.D.	Professor
JOHN KONSTANTIN BUTKIEWICZ, D.D.S.	Professor of Histology
WILLIAM BINFORD KING	Instructor
RALPH COHEN, M.D.	Instructor
GEORGE HENRY RAWSON, M.D., ...	Instructor

The instruction in the various anatomical sciences—gross human anatomy, neurology, embryology and histology—is carried on by the Division of Anatomy of which the Professor of Anatomy is the head.

This insures complete correlation of the various anatomical branches and adequate instruction in each.

During the first year the course in Gross Anatomy is given mainly by practical laboratory work.

The greater portion of the course is given during the first year thus enabling the student to apply his early knowledge of Anatomy to his other branches of study. Each student is required to dissect satisfactorily the lateral half of a cadaver. The dissecting room work is supplemented by demonstration, recitation and lectures illustrated by lantern slides, models, diagrams and special dissections. The systematic study of the gross and minute anatomy of the central nervous system and organs of special sense is pursued by means of lectures, recitations, and laboratory work.

In the second year a course in applied anatomy is given, in which recitations and laboratory demonstrations, and special dissections are used to familiarize the student thoroughly with the subjects.

Throughout the course every opportunity is taken to emphasize the application of anatomy to the practice of medicine in all its departments.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Anatomy	I	440	90
Anatomy	II	210	30
		— 650	— 120

In Histology instruction is given in the care and use of the microscope and in the preparation of tissues (fixing, blocking, cutting, staining, etc.) for microscopical examination, and a systematic study is made of the minute structure of the tissues and organs of the body, the laboratory work being supplemented by lectures, recitations and stereopticon demonstrations.

The course in Embryology is devoted to the study of marine material, showing maturation, impregnation, segmentation, etc., and to series of chick and mammalian embryos, special stress being laid upon the development of the foetal membranes and organs. Lectures, recitations and demonstrations with laboratory models are also given.

SUBJECT	YEAR	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Histology and Embryology ...	I	267	60
		— 267	— 60

PHYSIOLOGY

SHEPHERD IVORY FRANZ, Ph.D., LL.D., M.D.....Professor

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D.,

Professor of Pharmacology and Associate in Physiology

HENRY RANDALL ELLIOTT, M.D.....Associate

The course in physiology consists of lectures, recitations, demonstrations, laboratory exercises and conferences during the first and second years. It begins in the second-half of the first year, so that the student is early in his course in medicine introduced to the functional viewpoint. The functions of the nervous system and special senses, of the blood, of the heart and circulatory system, of glands, of the digestive system, of the respiratory mechanisms, and of reproduction are considered by means of lectures and recitations, and, as far as practicable, experimentally. In the laboratory each student performs the main experiments illustrating the facts regarding bodily function, and demonstration experiments are given to those functions which are too complex for the student to perform himself. In this laboratory work each student is required to keep records of his experiments, and each experiment is supervised and the record criticized and checked by one of the instructors before the student leaves the laboratory for the day. The class is divided into sections for oral recitations, which are supplemented by written recitations.

After the completion of the work in normal physiology, in the second year a series of laboratory exercises on the physiological action of drugs is given (see the announcement under Department of Pharmacology,) and in conjunction with that laboratory work lectures are given and recitations are held in which the functional disturbances in disease are considered. In this course special attention is given to the abnormalities of action of the heart and circulatory system, to the mechanical disturbances in respiration, and to the disturbances of the nervous system and the special senses. By this course it is intended to bring the course in normal physiology into closer relations with the succeeding courses in Pathology, Therapeutics and General Medicine.

The course in psychology aims to give, by lectures and conferences, the main facts regarding mental processes, and to develop the psychological aspect of medicine, upon which so much emphasis has recently been laid. The course is primarily medical in its treatment and thus deals with pathological as well as

normal mental phenomena, but without encroaching upon the courses in Psychiatry and Neurology.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Physiology	I	184	72
Physiology	II..	68	32
		— 252	— 104
Psychology		32	32

CHEMISTRY

FRANK ADELBERT HORNADAY, S.B., M.D.....Professor
JOSEPH HYRAM ROE, A.B., A.M.....Associate Professor

Inorganic Chemistry.—A series of recitations, in which the subject is reviewed and its relation to medicine emphasized.

Qualitative Analysis.—A laboratory course on methods of separating and identifying the commoner metallic elements and acid radicals and the application of such methods in medicine.

Organic Chemistry.—A series of lectures, laboratory work, and recitations on the acyclic and cyclic hydrocarbons and their derivatives, with special reference to physiology and medicine.

Physiological Chemistry.—A series of lectures, recitations and laboratory work on food stuffs, including carbohydrates, proteins and fats, their properties, reactions, digestion, absorption and assimilation. Careful consideration is given to enzymes and to the various secretions of the body.

Clinical Chemistry.—A thorough course is given in which material from the University Hospital and Dispensary is utilized to show the practical application of this subject in medicine.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Chemistry			
Inorganic Review	I	258	90
Qualitative Analysis			
Organic			
Physiological.....	I, II	150	30
		— 408	— 120
*Clinical Chemistry.....	III	48	12

* See also announcement under Medicine

PHARMACOLOGY AND MATERIA MEDICA

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D.....	Professor
.....	Instructor
.....	Assistant
.....	Assistant

1. *Pharmacology*.—Materia Medica and Prescription Writing Required of all Second year medical students, last 8 weeks of the first semester.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations. Enough pharmacy is introduced to teach the student to use the Pharmacopoea intelligently, and to emphasize the importance of the term "Official Preparation." Much interesting didactic material is furnished for the class conferences, at which time the type preparations made by the class are demonstrated and discussed.

2. *Systematic Pharmacology*. Required of all second year medical students. Five hours a week during the second semester.

The subject-matter of this course is essentially that outlined in Cushny's Text-Book of Pharmacology, supplemented by a consideration of those newer and "non-official" remedies that have acquired pharmacological interest. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. Experience has demonstrated that this develops originality in prescription writing based upon a knowledge of pharmacology. The subject of incompatibilities is taught by compounding type prescriptions compiled from the medical literature and discussion in class conferences.

The last part of the course introduces the student to the method of applying his previous chemical and physiological information by testing for drugs and their derivatives excreted from the body. This lays a foundation for the more technical information relating to the absorption, excretion, and fate of drugs in the tissues.

3. *Pharmacodynamics*.—Second semester. Required of all second year medical students. Prerequisite pharmacology 1.

This course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

The laboratory practice begins with simple experiments on absorption, excretion and local action of drugs, followed by experiments upon frogs, turtles and lower mammals. As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced.

Special emphasis is laid upon the student's ability to secure results and to record and analyze his curves and records. Special conferences are held periodically in which the results and records are discussed and the work of the class as a whole is properly coordinated.

4. *Special Pharmacodynamics and Toxicology*.—(Credit according to work done.)

This course is open to advance students and special workers who desire training in toxicology and methods of biological assay.

5. *Research in Pharmacology and Chemo-Therapy*.

The Cooper Research Laboratory of Pharmacology offers excellent opportunities for advanced scientific work along special lines. This laboratory is provided with special apparatus and a well-equipped machine shop. The University Hospital and Dispensary are at the laboratory's disposal.

THERAPEUTICS

BUCKNER MAGILL RANDOLPH, M.D.....Professor
WALTER HIBBARD MERRILL, M.D.....Instructor

(1) Systematic lectures and recitations on the physiological action of drugs and other remedial agents, their therapeutic use in disease; their modes of administration; and a review of their toxicology. (2) A review of the principles of prescription writing, with practical exercises by students in writing prescriptions in the metric system. (3) Lectures in applied therapeutics, devoted to the study of the application of remedial measures to morbid physiological and pathological states, as they occur clinically. (4) Lectures and section demonstrations in electrotherapeutics and Roentgen therapy.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Pharmacology	II	170	28
Materia Medica and Toxicology	II	48	48
Therapeutics	III	64	64
Radiotherapy	III	8	8
		—290	—148

DIETETICS

FRANK ADELBERT HORNADAY, S.B., M.D.....Professor

A course of lectures on the physiology of nutrition and principles of feeding in health and disease.

SUBJECT	YEARS	HOURS	
		Didactic Totals and Lab.	not to Didactic exceed
Dietetics	III	24	24

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A.M., M.D. Professor

TOMAS CAJIGAS, M.D.....Associate Professor

WILLIAM BROWN CARR, M.D.....Instructor in Morbid Anatomy

BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty formal lectures in which the entire field of bacteriology including immunology in its application to human medicine and welfare is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently twenty-five to thirty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare a vaccine, and in groups prepare agglutinating, hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of dark ground illumination, and are taught to make microscopic measurements.

During the course where occasion arises in connection with special

cases of interest in the University Hospital or elsewhere unusual infections or rarely occurring processes of diagnosis, etc., are demonstrated. The routine bacteriologic and serologic work of the Hospital is done in the same laboratory where the students are working so that they have ample opportunity to observe the practical application of bacteriology.

PATHOLOGY

In Pathology, the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being about twice the corresponding time in Bacteriology. General pathology covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. About two hundred sections are stained and mounted by each student and become his individual property. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

The microscopic study is supplemented by that of post-mortem material and that from the operating room and by specimens in the museum thus affording a knowledge of gross morbid anatomy.

Varying in number with the extent of material afforded, students have the opportunity of training in the details of post-mortem technic from the autopsy through the preparation, sectioning, and staining of the tissues to be studied, to their final diagnosis and report.

CLINICAL MICROSCOPY

In the course in Clinical Microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as

material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Bacteriology	II	126	30
Pathology	II	282	60
		— 408	— 90
§Clinical Microscopy		48	16

MEDICINE

STERLING RUFFIN, M.D. Professor
 GEORGE NICHOLAS ACKER, A.M., M.D.,

Professor of Pediatrics and Clinical Professor of Medicine

THOMAS ASH CLAYTOR, M.D. Clinical Professor of Medicine

RANDOLPH BRYAN CARMICHAEL, M.D.... Professor of Dermatology

WILLIAM ALANSON WHITE, M.D.,

Professor of Psychiatry and Clinical Professor of Neurology

*EDWARD RHODES STITT, A.B., M.D. Professor of Tropical Medicine

*MONTGOMERY EARL HIGGINS, M.D. Professor of Tropical Medicine

EDGAR SNOWDEN, M.D..... Professor of Hygiene

HARRY S. BERNTON, M.D..... Professor of Medical Jurisprudence

FRANK LEECH, M.D..... Clinical Professor of Medicine

JOHN BENJAMIN NICHOLS, M.D..... Associate in Medicine

FRANK ADELBERT HORNADAY, S.B., M.D.... Professor of Dietetics

EDGAR PASQUAL COPELAND, M.D..... Associate in Pediatrics

HARRY HAMPTON DONNALLY, A.M., M.D.,

Clinical Associate in Pediatrics

*WILLIAM CABELL MOORE, M.D..... Associate in Medicine

CHARLES AUGUSTUS SIMPSON, M.D..... Associate in Dermatology

COURSEN BAXTER CONKLIN, S.B., M.D..... Associate in Medicine

CHARLES WHEATLEY, M.D..... Clinical Associate in Pediatrics

CHARLES WILBUR HYDE, M.D.,

Associate in Medicine and Anaesthesia

WILLIAM JOHNSTON MALLORY, M.D..... Associate in Medicine

THOMAS LINVILLE, M.D..... Clinical Associate in Medicine

EVERETT MUNROE ELLISON, A.M., M.D..... Clinical Associate

ELIJAH WHITE TITUS, Phar.D., M.D.... Instructor in Pediatric

ROBERT READ RAFTER, M.D..... Instructor in Medicine

ROBERT SAMUEL TRIMBLE, M.D.... Clinical Instructor in Medicine

§ See also announcement under Medicine.

*WILLIAM HOUSTON LITTLEPAGE, M.D.,
 Clinical Instructor in Medicine
 JAMES CHARLES HASSALL, M.D.,
 Clinical Associate in Psychiatry and Clinical Neurology
 MARY O'MALLEY, M.D.,
 Clinical Instructor in Psychiatry and Neurology
 WILLIAM DAVID TEWKSBURY, M.D.,
 Clinical Instructor in Medicine
 CARROL E. BINGMAN, M.D.....Clinical Instructor in Medicine
 CHARLES D. EASTON, M.D.....Clinical Instructor in Pediatrics

Instruction in Medicine is so given as to conform to the most modern requirements. The work begins in the second year with a complete course in history-taking and normal physical diagnosis, and is continued through the third and fourth years. During the later two years the course consists of lectures, recitations, a study of case histories, clinical conferences, and practical work in the clinical laboratory and at the bedside. The work is made as practical as possible.

The third-year class is divided into small sections, which are required to attend the daily dispensary service in the University Hospital, where they are drilled especially in history-taking and in the technique of practical physical diagnosis.

The fourth-year class is similarly divided into small sections, and these are required to attend the daily ward clinics in the University Hospital and ward clinics in the Garfield Memorial Hospital, Children's Hospital, and the Tuberculosis Hospital of the District of Columbia.

The system of ward clinics to small groups of students affords a most effective method of studying disease and gives to every student an opportunity of following a large assortment of diseases from their commencement to the termination of their illness; in no other way is it possible to get a more practical knowledge of the methods of studying disease or a more intimate knowledge of disease itself.

Every patient in the medical wards of the University Hospital is assigned to one, or at most two, senior students, who are required (under proper supervision) to take the history, to make and record a complete physical examination, to determine after due study the nature of the illness (diagnosis), to outline a plan of treatment, and to make daily notes of the progress of the case. A weekly amphitheater clinic is given to third-year students in a body and a similar clinic to the fourth-year class. A series

* Absent on Military Service.

of special neurological clinics is provided for the senior class at the Saint Elizabeth's Hospital, where there is a great wealth of material (see announcement of Psychiatry and Clinical Neurology.)

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab. Clinical	Didactic not to exceed
Medicine	II, III, IV		
General Medicine.....		606	200
*Clinical Microscopy.....		48	16
†Clinical Chemistry.....		48	12
Physical Diagnosis.....		80	40
Tropical Diseases.....		12	12
Dermatology		48	12
Pediatrics		120	18
Neurology		64	24
Psychiatry		42	12
Medical Jurisprudence.....		30	30
		— 1098	— 376

TROPICAL MEDICINE

‡EDWARD RHODES STITT, A.B., M.D.,

Read Admiral U. S. N., Professor

‡MONTGOMERY EARL HIGGINS, M.D.,

Lieutenant Commander, Medical Corps, U. S. N., Professor

GLENMORE FORD CLARK, M.D.,

Lieutenant Commander, Medical Corps, U. S. M., Associate

WILLIAM BRAWNER HATFIELD, A.B., M.D.,

Lieutenant Commander, Medical Corps, U. S. N., Associate

The course in tropical diseases is similar to that given in the Army and Navy Medical Schools, and consists of didactic lectures, quizzes, and laboratory instruction, with particular reference to the parasitic, protozoal diseases common in the tropics and in the southern part of the United States.

PSYCHIATRY AND CLINICAL NEUROLOGY

WILLIAM ALANSON WHITE, M.D., Superintendent of

Saint Elizabeth's Hospital.....Professor

JAMES CHARLES HASSALL, M.D.....Clinical Associate

MARY O'MALLEY, M.D.....Instructor

* See also announcement under Bacteriology and Pathology.

† See also announcement under Chemistry.

‡ Absent on Military Service.

A series of lectures and clinics is given upon the subject of the psychoses in its various forms.

These clinics are given at Saint Elizabeth's Hospital which, with its more than three thousand beds, affords one of the largest clinics in this country.

Students are taught in the same classes with students of the Army and Navy Medical Schools.

PEDIATRICS

GEORGE NICHOLAS ACKER, A.M., M.D.....Professor
 EDGAR PASQUAL COPELAND, M.D.....Associate
 HARRY HAMPTON DONNALLY, M.D.....Clinical Associate
 CHARLES WHEATLEY, M.D.....Clinical Associate
 CHARLES D. EASTON, M.D.....Clinical Instructor in Pediatrics

Didactic and clinical lectures, bedside and dispensary clinics are given upon diseases of infants and children and the importance of the proper management of these diseases by diet and hygiene.

The children's clinic, at the Children's Hospital, affords ample material for practical teaching in this branch.

PHYSICAL DIAGNOSIS

*WILLIAM CABELL MOORE, M.D.....Associate
 J. LAWN THOMPSON, A.M., M.D.....Associate
 THOMAS LINVILLE, M.D.....Clinical Associate
 FRANK ADELBEET HORNADAY, S.B., M.D.....Instructor

Instruction is given in the principles and methods of physical examination by means of recitations, section work or normal subjects, and with clinical cases which typically represent diseased conditions.

DERMATOLOGY

RANDOLPH BRYAN CARMICHAEL, M.D.....Professor
 CHARLES AUGUSTUS SIMPSON, M.D.....Associate

The lectures in this course will be principally clinical, supplemented by didactic lectures, illustrated by diagrams, models, and photographic illustrations of disease from life.

MEDICAL JURISPRUDENCE

HARRY S. BERNTON, M.D.....Professor

This course is designed to familiarize students with the rights and obligations of physicians, both legal and ethical, and to qualify them to apply the facts of medical science to the solution of problems in law.

* Absent on Military Service.

SURGERY

- WILLIAM CLINE BORDEN, M.D.....Professor
 CHARLES WILLIAM RICHARDSON, M.D.,
 Professor of Laryngology and Otology
 AURELIUS RIVES SHANDS, M.D.,
 Clinical Professor of Orthopedic Surgery
 FRANCIS RANDALL HAGNER, M. D.,
 Professor of Genito-Urinary Diseases and Venereal Diseases
 *LUTHER HALSEY REICHELDERFER, M.D.....Clinical Professor
 LOUIS ANATOLE LA GARDE, M.D.,
 Professor of Military Surgery and Sanitation
 OSCAR ADDISON MACK McKIMMIE, M.D.,
 Clinical Professor of Laryngology and Otology
 THOMAS CHARLES MARTIN, M.D.....Professor of Proctology
 CURTIS LEE HALL, M.D.....Professor of Orthopedic Surgery
 *HARRY HYLAND KERR, M.D.....Clinical Professor
 WILLIAM PINKEY REEVES, M.D.....Clinical Professor
 WILLIAM THORNWALL DAVIS, M.D....Professor of Ophthalmology
 CHARLES STANLEY WHITE, M.D.....Associate Professor
 DANIEL LEROY BORDEN, A.M., M.D.....Associate Professor
 WILLIAM F. SOWERS, M.D.....Clinical Associate
 TRUMAN ABBE, M.D.....Professor of Ophthalmology
 JOSEPH DECATUR ROGERS, M.D.....Clinical Associate
 EDWARD GRANT SEIBERT, M.D.,
 Clinical Instructor in Ophthalmology
 JOHN POTTS FILLEBROWN, M.D.....Clinical Instructor
 EDMUND THOMAS MURDOUGH FRANKLIN, M.D...Clinical Instructor
 ADAM KEMBLE, M.D.,
 Clinical Instructor in Genito-Urinary Surgery
 HOMER GIFFORD FULLER, M.D.,
 Clinical Instructor in Genito-Urinary Surgery
 CLINE N. CHIPMAN, M.D.....Instructor in Anaesthesia
 *ALBERT PERKINS TIBBETS, M.D.,
 Clinical Instructor in Laryngology and Otology
 WILLIAM HENRY HUNTINGTON, M.D.,
 Clinical Instructor in Laryngology and Otology
 HARRY SAMUEL LEWIS, M.D.....Clinical Instructor
 JOHN HUNTER SELBY, M.D.....Instructor in Roentgenology
 OLIVER CLEMENCE COX, M.D.....Instructor in Minor Surgery
 WILLIAM BERRY MARBURY, M.D.....Instructor
 SAMUEL BOYCE POLE, M.D.,
 Clinical Instructor in Laryngology and Otology

*Absent in Military Service.

GEORGE H. MORRIS, M.D.....Clinical Instructor

WILLIAM G. YOUNG, M.D.,

Clinical Instructor in Genito-Urinary Surgery

EARL GRIFFITH BREEDING, A.B., M.S., M.D.,

Clinical Instructor in Laryngology and Otology

CHARLES O. KNOTT, M.D.,...Instructor in Genito-Urinary Surgery

The principles of surgery are presented in a systematic course of lectures, so that the student may obtain a comprehensive and adequate concept of the science and art of surgery. These lectures are followed by recitations, so that the subject-matter may be thoroughly impressed upon the students. The special divisions of surgery are taught by associates and instructors who have made specialties of these branches. The clinical material in the University Hospital and Dispensary, being under the control of the Faculty, is directly used throughout the course to illustrate the subjects taught and to familiarize the students with actual clinical conditions.

Surgical technique is taught by instruction in the preparation of materials used in antiseptic and aseptic surgery, the preparation of the patient, and the sterilization of instruments. Practical instruction is given in the Hospital and Dispensary in the application of splints, bandages, and dressings used in the various surgical diseases and injuries. Thorough instruction and practical demonstrations are given in the administration of anaesthetics.

Clinical teaching is carried on in the University Hospital and Dispensary, and in other hospitals of the city to which members of the Faculty are attached. Amphitheater clinics are given, in which the general practice of surgical diagnosis and operative technique and therapeutic procedure are shown.

Ward clinics and bedside instruction are made a prominent part of the course. The classes are divided into sections, which are regularly assigned to clinical work in the University Hospital and Dispensary, and in other hospitals and dispensaries. Senior students are assigned in rotation to individual cases in the wards of the University Hospital.

Practical work is required of each student in the preparation of dressings and sterilization of instruments. Each student is required to give, under instruction, at least six anaesthesias and to assist in at least six operations.

Thorough courses are given in operative surgery and proctology.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Surgery.....	II, III, IV		
General Surgery.....		540	144
Minor Surgery.....		40	20
Radiography		16	0
Fractures, etc.....		16	16
Military Surgery & Sanitation		16	16
Ophthalmology		64	16
Laryngology and Otology....		60	24
Genito-Urinary Surgery.....		48	16
Orthopedics		48	16
		— 848	— 268

ORTHOPEDICS

CURTIS LEE HALL, M.D.....Professor
 AURELIUS RIVES SHANDS, M.D.....Clinical Professor
 THOMAS MADDEN FOLEY, M.D....Instructor in Orthopedic Surgery

A course of lectures and recitations on the pathology, etiology, course, termination, and treatment of chronic joint diseases, with clinical instruction in the application of special apparatus and of plaster of Paris to the correction of deformities.

GENITO-URINARY DISEASES

FRANCIS RANDALL HAGNER, M.D.....Professor
 HOMER GIFFORD FULLER, M.D.....Clinical Instructor
 ADAM KEMBLE, M.D.....Clinical Instructor
 WILLIAM G. YOUNG, M.D.....Clinical Instructor
 CHARLES O. KNOTT, M.D.....Clinical Instructor

A thorough course of instruction in genito-urinary diseases is given by lectures, recitations, section clinics, and bedside teaching.

MILITARY SURGERY AND SANITATION

LOUIS ANATOLE LA GARDE, M.D.....Professor

The treatment of gunshot wounds with special reference to civil practice is given in a course of lectures and demonstrations, fully illustrated by lantern slides, X-ray photographs, and actual speci-

mens from a collection made after years of study and experimentation.

The use of the new armaments in recent wars and the characteristic features of the wounds caused by them, as well as the treatment of gunshot wounds in peace and war are dealt with in about eight lectures.

There will be eight additional lectures on Military Surgery and Military Hygiene.

OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M.D.....	Professor
DANIEL KERFOOT SHUTE, A.B., M.D.....	Clinical Professor
EDWARD GRANT SEIBERT, M.D.....	Clinical Instructor
EARL GRIFFITH BREEDING, A.B., M.S., M.D....	Clinical Instructor

The course of lectures on this subject is to direct attention to the elementary principles of the subject. It is not intended to qualify the student as a specialist, but to give him a knowledge of what every general practitioner ought to know. The course is supplemented by clinical instruction.

LARYNGOLOGY AND OTOTOLOGY

CHARLES WILLIAMSON RICHARDSON, M.D.....	Professor
OSCAR ADDISON MACK McKIMMIE, M.D.....	Clinical Professor
EDWARD GRANT SEIBERT, M.D.....	Instructor
*ALBERT PERKINS TIBBETS, A.B., M.D.....	Clinical Instructor
WILLIAM HENRY HUNTINGTON, M.D.....	Clinical Instructor
SAMUEL HARRISON GREENE, M.D.....	Clinical Instructor
SAMUEL BOYCE POLE, M.D.....	Clinical Instructor

The course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and the ear. Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

OBSTETRICS

HURON WILLIS LAWSON, S.M., M.D.....	Professor
WILLIAM SINCLAIR BOWEN, M.D.....	Clinical Professor
EDGAR SNOWDEN, M.D.....	Clinical Associate
HOWARD FRANCIS KANE, A.B., M.D.....	Instructor
CYRUS W. CULVER, M.D.....	Clinical Instructor

The course in obstetrics comprises lectures, recitations, laboratory demonstrations and clinical instruction and extends over the

* Absent on Military Service.

third and fourth years. The lectures serve to outline the subject-matter and the recitations insure careful preparation on the part of the student. Special laboratory studies dealing with anatomy, embryology and pathology in relation to obstetrics are conducted in the different laboratories concerned. Models, manikins and cadavers are utilized in teaching the mechanism of labor and obstetrical operations. Clinical instruction is given to the classes in small sections at different hospitals and in the out-patient obstetrical service. Beginning about the middle of the third year the student is given practical instruction in making antepartum examinations and he also observes the management of labor cases. During the fourth year he conducts, under the supervision of a paid instructor, twelve labor cases in the large and well-organized out-patient maternity service and submits written reports upon the cases attended.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Obstetrics.....	III and IV	192†	64

GYNECOLOGY

JOHN WESLEY BOVÉE, M.D.....	Professor
ALBERT LIVINGSTON STAVELY, M.D.....	Clinical Professor
GIDEON BROWN MILLER, M.D.....	Clinical Professor
J. LEWIS RIGGLES, M.D.....	Associate
NELSON DUVAL BRECHT, M.D.....	Instructor
VIRGIL B. JACKSON, M. D.....	Clinical Instructor
ELIJAH WHITE TITUS, M.D.....	Clinical Instructor

Gynecology as taught in the third year comprises a course of lectures, text-book recitations and clinical instruction. In the fourth year individual students are assigned to cases in the wards of the University Hospital, and the class is taken in sections of one or two students each into the Gynecological Dispensaries for clinical instruction in examinations, diagnosis, and treatment. In larger sections the class attends amphitheater and ward clinics given by the Professor of Gynecology and his assistants.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Gynecology.....	III and IV	144	48

† The total number of clinic hours cannot be given, as each student is required to attend twelve cases, exclusive of the demonstration work and Ward and Dispensary Clinics above enumerated.

HYGIENE

EDGAR SNOWDEN, M.D.....Professor
JAMES CHAMBERS PRYOR, A.M., M.D.....Professor

The course in Hygiene is given principally by recitation from a prescribed text-book. Consideration is given to domestic and municipal sanitation and to the principles underlying legislative control of public health.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Hygiene	II	32	32

ETHICS

The subject of ethics as given in the order of instruction will comprise didactic lectures on personal ethics in the first year and on medical ethics in the fourth year. Instruction will be given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession.

CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

University Hospital and the University Dispensary

H Street, between Thirteenth and Fourteenth Streets N. W. and adjacent to the Medical Building.—The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical School, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine.

Garfield Memorial Hospital

Florida Avenue and Tenth Street N. W.—This institution has 118 charity beds. Clinics are given regularly throughout the session by members of the Faculty connected with the visiting staff of the hospital.

Members of the Faculty on the visiting staff: Professors CLAYTOR, and LEECH, Clinical Medicine; Professors *REICHELDERFER and *KERR, and Dr. MARBURY, Clinical Surgery; Professors STAVELY and MILLER, Clinical Gynecology; Professor CAR-

* Absent on Military Service.

MICHAEL, Clinical Dermatology; Professors SHUTE and BUTLER, Clinical Ophthalmology; Professor HAGNER, Clinical Genito-Urinary Surgery; Professor YARROW, Consulting Physician; Professor BOWEN, Clinical Obstetrics.

Children's Hospital

W Street, between Twelfth and Thirteenth Streets N. W.—Regular instruction is given in the medical and surgical wards by members of the Faculty on the visiting staff of the hospital. This institution has 100 charity beds. There is also a large out-patient department, to which students are regularly assigned for clinical instruction.

Members of the Faculty on the visiting staff: Professor YARROW, Consulting Physician, Professors *REICHELDERFER, *KERR and CHARLES S. WHITE, Clinical Surgery; Professors ACKER and LEECH and Drs. COPELAND and DONNALLY, Clinical Medicine; Dr. HALL, Orthopedic Surgery.

Emergency Hospital and Central Dispensary

1711 New York Avenue.—The hospital has 100 charity beds, and has a very large out-patient service. The large emergency service gives exceptional facilities in clinical surgery, particularly in fractures and dislocations which are taught in regular clinics by the instructor in this subject.

Members of the faculty on the visiting staff: Professor HAGNER, Clinical Genito-Urinary Diseases; Professors WHITE and CARR, and Drs. PRENTISS, JACKSON and LEWIS, *Surgery*; *Dr. LITTLEPAGE, Clinical Medicine; Professor CARMICHAEL, Clinical Dermatology; Dr. MILLER, Clinical Gynecology; Professor SHANDS and Dr. FOLEY, Orthopedics; Professor SHUTE, Ophthalmology; Dr. ELLISON, Director of Clinics.

Columbian Hospital for Women

Twenty-fifth Street and Pennsylvania Avenue N. W.—This hospital has 40 charity beds for diseases peculiar to women, and 40 charity maternity beds. Both the obstetrical and the gynecological services are particularly good and are fully utilized for students.

Members of the Faculty on the visting staff: Professors BOVEE and MILLER, and Drs. D. L. BORDEN, RIGGLES and SULLIVAN, Clinical Gynecology; Professors LAWSON and BOWEN and Drs. RIGGLES and SNOWDEN, Clinical Obstetrics, Professor SHUTE, Ophthalmology; Professor RUFFIN, Visiting Physician; Dr. ABBE, Surgery; Dr. COPELAND, Pediatrics.

* Absent on Military Service.

St. Elizabeth's Hospital

This hospital is maintained by the United States Government. It has 4,000 beds. Clinical instruction in mental diseases is given by the superintendent of the hospital, Professor W. A. WHITE, and Drs. HASSALL and O'MALLEY. Other members of the Faculty on service at this hospital are Professor FRANZ; Professor SHUTE, Consulting Ophthalmologist; Professor RUFFIN, Consulting Physician.

The Episcopal Eye, Ear, and Throat, and Nose Hospital

Fifteenth Street, between L and M Streets N. W.—Excellent opportunities for clinical instruction in ophthalmology, otology, laryngology, and rhinology are offered by this hospital.

Members of the Faculty on its staff: Professor RICHARDSON, Clinical Otology and Laryngology; Professor McKIMMIE and Drs. *HUNTINGTON and GREENE, Clinical Otology and Laryngology; Professor ACKER, Consulting Physician; Dr. SIMPSON, Dermatology.

Lutheran Dispensary

Fourteenth and N Streets N. W.—This dispensary affords good opportunities for clinical study of diseases of the eye, ear, throat, and nose.

Members of the Faculty on its staff; Professor BUTLER, Surgeon-in-Charge; Dr. SEIBERT, Ophthalmology; Professor ACKER, Consulting Physician.

Casualty Hospital

Massachusetts Avenue N. E.—Opportunities in emergency and dispensary work are offered by this institution.

Members of the Faculty on its staff: Professor ACKER, Consulting Physician; Professor REEVES and Dr. ROGERS, Clinical Surgery; Dr. HALL, Orthopedic Surgery; Dr. KANE, Obstetrics.

Tuberculosis Hospital

Fourteenth and Upshur Streets N. W.—Members of the Faculty on its staff: Professor CLAYTOR, and Dr. TEWKSBURY, Clinical Medicine; *Dr. REICHELDERFER, Clinical Surgery; Professor RICHARDSON, Ophthalmology.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

* Absent on Military Service.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of five dollars will be charged for each subject.

To be *advanced*, a student must not fail in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

Students who fail in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege, will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Medicine must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for con-

sideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

PRIZES

A prize from the Ordronaux Prize Endowment will be awarded to the student of the third, and the student of the fourth year class who has the highest scholastic standing.

SOCIETIES

The George Washington University Medical Society was established in 1905 by a group of alumni. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings, and the advancement of medical science by the presentation of essays, case reports and specimens for instruction and discussion, at its meetings, and further the interest of the university in general. All alumni and members of the faculty are eligible for membership on election.

Officers: Dr. Oscar B. Hunter, *President*, Dr. E. W. Titus, *Vice President*, Dr. F. A. Hornaday, *Secretary-Treasurer*.

Meets at the Medical School on the third Saturday of the month from October to May.

Senior students are invited to attend the meeting of this society.

HOSPITAL APPOINTMENTS

Interns are annually appointed in the University Hospital. These appointments are made upon competitive examinations under conditions determined by the governing authorities of the Hospital. Appointments to similar positions are open to the graduates and undergraduates of this school in the following other hospitals of the city: Garfield Memorial Hospital, Emergency Hospital, Columbia Hospital for Women, Casualty Hospital, Providence Hospital, Washington Asylum Hospital, Children's Hospital, Episcopal Eye, Ear and Throat Hospital.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance	\$5.00
Registration fee, each subsequent year	2.00
Tuition each year	175.00
Graduation fee	10.00
Breakage fee	10.00
Supplementary examinations each	5.00

This includes all laboratory fees and charges for material used in practical anatomy and operative surgery. Students will, however, be required to pay all charges for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Doctor of Medicine who take courses in Histology, Embryology, Bacteriology, Pathology or Clinical Microscopy will be charged a fee of \$6.00 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6.00 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Medical School is for a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Dean.

PREMEDICAL YEARS

Special Course admitting to the Medical School, but not Leading to a Degree in the Arts Department

Annual registration fee	\$2
Tuition, per annum	180

First Year

Chemistry laboratory	
Materials	10
Breakage	10
Zoology	
Materials	5
Microscope	5

Second Year

Zoology	
Materials	5
Physics Laboratory	
Materials	10

If Chemistry 7 is elected, a \$10.00 fee for materials and a \$10.00 deposit fee will be required.

Courses Leading to the Degree of Bachelor of Science in Medicine

Annual registration fee	\$2
Tuition, per annum	180

First Year

Chemistry Laboratory	
Materials	10
Breakage	10
Zoology	
Materials	5
Microscope	5

Second Year

Chemistry Laboratory	
Materials	10
Breakage	10
Zoology	
Materials	5
Physics	
Material fee	10

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

For catalogues, application blanks, and further information, address

THE DEAN,
*Medical School,
The George Washington University,
1335 H Street N. W., Washington, D. C.*

PHARMACY

Plans are now under consideration looking toward the reorganization of the College of Pharmacy as a school in the Department of Medicine. For information address

THE SECRETARY,
*The George Washington University,
2101 G Street N. W., Washington, D. C.*

THE GEORGE WASHINGTON UNIVERSITY TRAINING SCHOOL FOR NURSES

WILLIAM MILLER COLLIER, A.M., LL.D.,

President of the University

WILLIAM CLINE BORDEN, M.D.

Dean, Department of Medicine and Chairman of the Executive
Comimttee.

HELEN COINE, R.N. Acting Superintendent of Nurses

PATRICK P. VANE Business Superintendent

JOHN WESLEY BOVEE, M.D. Gynecology

OSCAR ADDISON MACK McKIMMIE, M.D. }
CARLES WILLIAMSON RICHARDSON, M.D. } Ear, Nose and Throat

HENRY KNOX CRAIG, M.D. Materia Medica

SIMON GERBER, Phar.D. Solutions

RANDOLPH BRYAN CARMICHAEL, M.D. Dermatology

ALBERT JOHN MOLZAHN, M.D. Anatomy

OSCAR BENWOOD HUNTER, S.M., M.D. Bacteriology

HARRY KNOX CRAIG, M.D. Physiology

EDGAR PASQUAL COPELAND, M.D. Pediatrics

DANIEL LERAY BORDEN, A.M., M.D. Surgery

HURON W. LAWSON, M.D. Obstetrics

EVERETT MONROE ELLISON, A.M., M.D.,

Medical Nursing and Contagious Diseases

TRUMAN ABBE, A.B., M.D. Bandaging

WILLIAM HOLLAND WILMER, M.D. Eye

FRANCES K. MAPLE, R.N.

Asst. Superintendent of Nurses and Head Operating Room Nurse

ARLENE JOHNSON, R.N. Night Superintendent of Nurses

CAROLYNE McKIM CHAPMAN, R.N. Instructor in Massage

PALMELIA C. MEBANE, R.N. Instructor

MARY MILLER In Charge of Nurses Home

The Staff of the Hospital are all members of the Faculty of
Medicine of the Medical School and the nurses receive the benefit
arising from instruction and nursing cases under these trained
instructors.

The Hospital itself is a general hospital located in the central
part of the city, and connected with it there is a Dispensary having
a large out-patient service, so that the Institution affords a thor-
ough and practical experience in medical, surgical, gynecological,
obstetrical and emergency nursing and the administration work in-
cident to a hospital.

The Nurses Home is located at 1016 13th street N.W., a short distance from the Hospital, and furnishes the nurses excellent and adequate accommodations.

BOARD OF LADY MANAGERS

Since the establishing of the Hospital and Training School for Nurses, both these Institutions have been very materially assisted by a most efficient Board of Lady Managers. This Board has worked most energetically in the interest of both the Hospital and Training School, and by personal endeavor and financial assistance have done much to improve these institutions.

REQUIREMENTS FOR ADMISSION

Candidates must apply personally or by letter to the Superintendent of Nurses upon blank forms provided therefor. Applicants must be not less than 19 nor over 30 years of age. They must be in good physical condition and present satisfactory evidence of their preliminary educational qualifications. Graduation from a grammar school and three years' work in a high school or academy or its equivalent are necessary. Approved applicants will be taken for a probationary period of three months as vacancies may occur. Such probationers as are deemed fitted for the duties of nurses, at the expiration of their probationary period, upon subscribing to the requirements of the school, will be accepted as pupil nurses.

Classes for probationers begin in January, April, July and October.

COURSE OF TRAINING

The course of training (including the probationary period) covers three years and comprises theoretical and practical instruction. Practical instruction is given in the wards of the Hospital under the supervision of the Superintendent of Nurses and at the Episcopal Eye, Ear and Throat Hospital, to which each pupil is assigned for a period of four months, as well as at the Children's Hospital during a two months' assignment there.

The theoretical instruction is given by the members of the Faculty of Medicine and by the Superintendent of Nurses and her assistants. The course in theoretical and practical instruction is as follows:

- (1) Medical nursing (including *Materia Medica*.)
- (2) Surgical nursing with operative technic, including gynecology.
- (3) Obstetrical nursing (each pupil to have had the care of not less than six cases).
- (4) Nursing of sick children.

(5) Diet cooking for the sick including (a) twelve lessons in cooking in a good technical school or with a competent diet teacher; (b) Food values, and feeding in special cases, to be taught in classes and not in lectures.

(6) A thorough course of theoretical instruction in contagious nursing where practical experience is impossible.

(7) Bacteriology.

REGULATIONS

I. Probationers, when admitted to the school, will require the following outfit: *Uniform*. 4 uniform dresses, 4 uniform caps, 14 uniform aprons, 1 dozen pairs uniform cuffs;

Additional articles: 3 striped underskirts, 2 laundry bags, 1 pair slippers, 1 watch with second hand, 6 sets plain underclothing, raincoat, 1 pair rubbers, summer and winter street suits, 1 party dress, 1 kimono, 2 washable dressing sacques, text-books.

II. The cost of the required uniform dresses, caps, aprons and cuffs is approximately \$30. Text-books for the entire course cost about \$15. The cost of the other articles is small.

III. A probationer on admission may bring with her any or all of the articles of her outfit except her uniform.

IV. To insure uniformity and economy the uniform sample must be secured through the Superintendent of Nurses, and no nurse will be allowed to go on duty until her outfit has been inspected and found to comply with the requirements of the school.

V. All articles of clothing must be plainly made and marked with name in full.

VI. Jewelry is not allowed to be worn on duty, and if of any value is best left at home. If brought, it will be at the risk of the owner. Watches are to be worn on tape around neck, under bib.

VII. Two hours, if work permits, are allowed every week day, for rest, study and recreation, also one-half day after 1 p. m. each week, and four hours each Sunday.

VIII. A vacation of two weeks is allowed each year, and in case of senior nurses, a vacation of four weeks will be allowed if the Hospital duties permit.

IX. A pupil nurse may be dismissed at any time if there is sufficient cause for such action, but no dismissal shall be made without the approval of the President of the University.

SALARY

Instruction and training are considered the full equivalent for the services of a pupil nurse; however, a salary of \$7 a month is paid (including the three months probation period.)

DIRECTORY FOR NURSES

A general directory for Graduate Trained Nurses was established in connection with the Training School and Hospital during the first year in which the Training School was in operation. The object of this directory is to afford a means to physicians and patients of securing with the least loss of time, the services of nurses who have graduated from our Training School. The Directory is under the supervision of the Executive Committee of the Faculty of Medicine and under the direct charge of the Superintendent of Nurses.

GRADUATES

June, 1918, Commencement

Mabel M. Beard	Virginia
Josephine Billingsley	Virginia
Anna Bratton	Virginia
Edith Brown	District of Columbia
Sue Powell Bunn	North Carolina
Ada Chapman Dowling	West Virginia
Isla Kay	Virginia
Edith Viola Keisecome	West Virginia
Nell Moran Lambert	North Carolina
Louise S. Leutbecher	Maryland
Margaret Whitner McFerran	Virginia
Hilda McKee	West Virginia
Lucile V. Powell	West Virginia
Bessie M. Palmer	District of Columbia
Mozelle Simpson	Virginia
Carrie V. Sowers	Virginia
Minnie Gertrude Taylor	Virginia
Janie Walters	Virginia
Florence Stuart Woolfolk	Virginia

AT MID-WINTER CONVOCATION

February, 1919

Laura Hayden	Maryland
Virginia Kirby	West Virginia
Grace Lake	Virginia

DENTAL SCHOOL

Faculty

WILLIAM MILLER COLLIER, LL.D. President of the University

CARL JOSEPH MESS, D.D.S.,

Dean, Professor of Prosthetic Dentistry and
Director of the Infirmary

HENRY CLAY THOMPSON, D.D.S.,

Emeritus Professor of Operative Dentistry

ALLEN SCOTT WOLFE, D.D.S.,

Professor of Operative Dentistry and Oral Surgery

CHARLES STANLEY WHITE, M.D.,

Clinical Professor of Oral Surgery

OSCAR BENWOOD HUNTER, A.M., M.D.,

Professor of Bacteriology and Pathology

CARL LAWRENCE DAVIS, M.D.....Professor of Anatomy

FRANK ADELBERT HORNADAY, S.B., M.D...Professor of Chemistry

JOHN KONSTANTIN BUTKIEWICZ, D.D.S., Professor of Histology
and Associate Professor of Materia Medica and Therapeutics

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D.,

Professor of Physiology and Pharmacology

HERBERT CORNWELL HOPKINS, D.D.S., Professor of Orthodontia

T. ROLAND WILKERSON, D.D.S. Professor of Oral Hygiene

CAESARE LOUIS CONSTANTINI, D.D.S.,

Professor of Ethics and Dental History

JOHN ROBERT DEFARGES, D.D.S.,

Professor of Dental Jurisprudence

ALBERT BURNEY BIBB, A. M.,

Professor of Technical Drawing

WILLIAM ALLEN WILBUR, A.M., Litt.D.,

Professor of Dental Rhetoric

THOMAS BENJAMIN BROWN, Ph.D., ...Professor of Physics

CHARLES ROBERT SHELTON, Jr., D.D.S.,

Professor of Dental Economics

ARTHUR BARTON CRANE, D.D.S.,

Research Professor in Mouth Infections

JAMES WALTER BERNHARD, D.D.S.,

Associate Professor of Crown and Bridge Work.

WALTER LOWELL HAGEN, D.D.S.,

Associate Professor of Operative Technics

CHARLES GARDNER SHOEMAKER, D.D.S.,

Associate Professor of Operative Technics

JOHN WINSLOW TAYLOR, D.D.S.,

Associate Professor of Prosthetic Technics

HENRY CISSEL YOUNG, D.D.S.,

Associate Professor of Prosthetics Technics

HEILMAN BECKER, D.D.S.,

Associate Professor of Crown and Bridge Work

EDWARD JOHN COPPING, D.D.S. Associate Professor of
Orthodontia and Demonstrator in the Infirmary

JOSEPH RALPH PALKIN, D.D.S., Associate Professor of Oral Surgery

RALPH LANCASTER MORRISON, D.D.S. Associate Professor of
Operative Dentistry and Assistant Director of the Infirmary

PAUL STERLING PUTZKI, M.D.,

Clinical Associate in Oral Surgery

ERNEST REED HAGAN, D.D.S., Associate Professor of Prosthetic
Dentistry and Director of the Technic Laboratories

STERLING VERNON MEAD, D.D.S. Professor of Roentgenology

CLINE N. CHIPMAN, M.D. Instructor in Anaesthesia

COURSEN BAXTER CONKLIN, M.D.,

Instructor in Physical Diagnosis

VERNON J. LOHR, D.D.S.,

Associate Professor of Crown and Bridge Work

JOSEPH HIRAM ROE, A.B., A.M.,

Associate Professor of Chemistry

ROBERT EDWIN LAYTON, D.D.S.,

Associate Professor of Dental Anatomy

GEORGE HENRY RAWSON, M.D., ... Instructor in Anatomy

WEBB WATSON WYMAN, D.D.S.,

Associate Professor of Prosthetic Dentistry and

Demonstrator in the Infirmary

RALPH WILLIAM SMEADE BONNETT, D.D.S.,

Demonstrator in the Infirmary

ARMA EXNER RUSH, D.D.S. Demonstrator in the Infirmary

MAURICE JOSEPH CONLEY, D.D.S.,

Demonstrator in the Infirmary

EARL FIELDING DANFORTH, D.D.S.,

Instructor in Crown and Bridge Work

HILMER ALVIN ERICKSON, D.D.S.,

Instructor in Crown and Bridge Work

CLINICAL STAFF

Fenton Bradford, D.D.S.

Arthur Barton Crane, D.D.S.

John Robert DeFarges, D.D.S.

Thomas Jones Rice, D.D.S.

James Taylor McClenahan, D.D.S.

Chas. B. Keefer, D.D.S.

Nellie Collins Smith, D.D.S.

A. Thomas Utz, D.D.S.

Caesare Louis Constantini, D.D.S.

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY
HOSPITAL AND DISPENSARY

HOSPITAL

STERLING RUFFIN, M.D.	Physician-in-Chief
WILLIAM CLINE BORDEN, M.D.	Surgeon-in-Chief
CHARLES STANLEY WHITE, M.D.	Oral Surgeon-in-Chief
ARTHUR BARTON CRANE, D.D.S.	Consulting Oral Surgeon
TRUMAN ABBE, M.D.	Roentgenologist-in-Chief
JOHN HUNTER SELBY, M.D.	Roentgenologist
STERLING VERNON MEAD, D.D.S.	Dental Roentgenologist
OSCAR BENWOOD HUNTER, A.M., M.D.	Pathologist
TOMAS CAJIGAS, M.D.	Director of Clinical Laboratory
CLINE N. CHIPMAN, M.D.	Anaesthetist
SAMUEL MOFFET BITTINGER, M.D.	Resident Physician
JOSEPH KREISELMAN	Senior Student Intern
THOMAS BENTON CRISP, Jr.	Senior Student Intern
CHARLES JAMES BARONE	Senior Student Intern
SIMON GERBER, Phar.D.	Pharmacist
LILLIAN JANE BLACKWELL, R.N.	Supt. of Nurses
and Principal of the Training School for Nurses and Sup- erintendent of the Hospital.	
PATRICK P. VANE	Business Superintendent

DISPENSARY

STERLING RUFFIN, M.D.	Physician-in-Chief
WILLIAM CLINE BORDEN, M.D.	Surgeon-in-Chief
CHARLES O. KNOTT, M.D.	Director of the Dispensary

GENERAL MEDICINE

BUCKNER MAGILL RANDOLPH, M.D.	Attending Physician
WILLIAM CABELL MOORE, M.D.*	Attending Physician
WILLIAM JOHNSTON MALLORY, M.D.	Attending Physician
ROBERT S. TRIMBLE, M.D.	Attending Physician
THOMAS LINVILLE, M.D.	Attending Physician
FRANK A. HORNADAY, M.D.	Attending Physician
RALPH LANCASTER MORRISON, D.D.S.,	
Attending Dentist in Oral Prophylaxis	
RALPH COHEN, M.D.	Attending Physician

GENERAL SURGERY

TRUMAN ABBE, M.D.	Attending Surgeon
EDMUND THOMAS MURDAUGH FRANKLIN, M.D.,	Attending Surgeon
JOHN POTTS FILLEBROWN, M.D.	Attending Surgeon
CHARLES STANLEY WHITE, M.D.	Oral Surgeon

* Absent on military service.

ALLEN SCOTT WOLFE, D.D.S. Attending Oral Surgeon
 ARTHUR BARTON CRANE, D.D.S. Consulting Oral Surgeon
 PAUL PUTZKI, M.D.....Attending Oral Surgeon

EYE, EAR, NOSE AND THROAT

SAMUEL BOYCE POLE, M.D., Attending Laryngologist and Otologist

ROENTGENOLOGY

TRUMAN ABBE, M.D. Roentgenologist-in-Chief
 JOHN HUNTER SELBY, M.D. Roentgenologist
 STERLING VERNON MEAD, D.D.S.....Dental Roentgenologist

DERMATOLOGY

CHARLES AUGUSTUS SIMPSON, M.D. Attending Dermatologist

PATHOLOGY

OSCAR BENWOOD HUNTER, M.D. Pathologist
 TOMAS CAJIGAS, M.D. Director Clinical Laboratory

GENERAL STATEMENTS

The Dental School is an integral part of the George Washington University, and is a complete dental educational unit in that it offers the facilities of the Dental School, the University Hospital and the Dental Infirmary.

In order to insure proper administrative educational control, this unit is controlled by the Dental Faculty, according to definite ordinances established by the Board of Trustees of the University.

The classes in dentistry are taught separately from classes in other departments of the University.

All instructors in the Dental School are graduates of medicine or dentistry or hold Bachelor Degrees or their equivalent.

The Dental School was completely reorganized in the summer of 1918, and the Faculty reserves the right to make such changes in the method of instruction and management of the school as may be found necessary for its most efficient and successful operation, in accordance with the requirements of the Dental Educational Council of America.

During the session 1918-19, a Dental Study Club was organized among the members of the faculty. This club meets twice a month to discuss the problems of modern dentistry. Well known specialists from this and other cities are invited to present the latest developments in their particular subjects to the club at one or more of its sessions. The faculty, by this means, is enabled to keep in close touch with the progress of dental science.

A students' Dental Society has also been organized and membership therein is required. Practice is there gained in society activities, public speaking and parliamentary proceedings. Each student of the senior class is required to prepare and present a paper relating to dentistry.

BUILDINGS AND OTHER FACILITIES

Buildings of the Medical and Dental Departments

All the buildings adjoin each other and consist of the Medical and Dental School Building, the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy afforded by the Hospital and Dispensary are directly used in the School laboratories.

School Building.—A modern commodious, five-story structure, with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and students' rooms. It has an elevator service, and is equipped throughout with steam heat, gas, electricity, and all modern improvements.

Laboratories.—Eight in number (for anatomy, chemistry, histology and embryology, physiology and pharmacology, and bacteriology and pathology and three technic laboratories), are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and dental methods.

University Medical and Dental Library.—Open for study and consultation from 9 a. m. to 4 p. m. with a Librarian in charge. It contains at present more than 2,000 volumes, and provision is made to add to it as published the important new works on medicine and dentistry. The most important dental and medical periodicals are regularly received.

Pathological Museum.—Contains a great many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

ADVANTAGES OF LOCATION

Advantage of Washington as a Place for Pursuing the Study of Dentistry

This city now has nearly half a million inhabitants, providing abundant clinical material to the Hospital and Infirmary.

The *great libraries and museums* connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's Office of the United States Army is the most complete medical (including dentistry) library in the world, and all leading medical and dental periodicals of the world are subscribed for. All the facilities of this great library are open to *medical and dental students*. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various Government offices, all of which are open to students.

The *Army Medical Museum* affords an unrivaled opportunity for studying the conditions met with in military and general surgery. It contains on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. Other Government museums are the Museum of Hygiene, in connection with the Medical Department of the Navy and the National Museum. The Botanic Gardens, the Smithsonian Institution, the Fish Commission, and the Department of Agriculture, all afford opportunities for study both in dentistry and medicine and collateral sciences.

On account of the many advantages offered in this city, the *Army and Navy Medical Schools* have been here located. The Alumni of this School are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them.

Aside from the special advantages offered for the study of dentistry, the cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is the seat of the General Government, are broad and national, make it an ideal place for a dental student to pass four years of study.

ADMISSION

The requirements for admission to the Dental School are as follows:

1. The requirements for entrance shall consist of graduation from an accredited high school or academy which requires for graduation not less than fifteen units of high school work obtained

in a four year course beyond the eighth grade of the elementary school, which shall include a one year course in physics, chemistry and biology. No conditions on the foregoing entrance requirement shall be allowed.

Effective January 1, 1921, the requirements for admission will be the high school work outlined in the preceding paragraph and one year of predental work, including not less than six semester hours each in English, physics, chemistry and biology, completed in an approved college of liberal arts and science.

2. An accredited high school is defined as one which is accredited as a four-year high school by the United States Bureau of Education, or by a University which is a member of the Association of American Universities, or by the State University of the State in which the high school is located.

3. In the case of an applicant who is not a graduate from a high school or academy, as defined above, the full equivalent of such education in each individual case must be established to the satisfaction of the Examiner appointed by the Superintendent of Public Schools of the District of Columbia.

4. The entrance credentials of each student enrolled must be kept on file until after graduation or until he leaves the school for other reasons.

5. *Medical Students.*—Students with two full years' credit from Class "A" Medical Schools, approved by the American Medical Association may be admitted to the sophomore class. No other advanced credit in time will be given in any other case than as above specified.

6. *Special Students.*—No special students will be accepted unless they are in possession of the D.D.S. degree and are seeking to do graduate work.

ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September and ends the first Wednesday in June. It is divided into two half-years of four months each.

The term of study for the degree of Doctor of Dental Surgery consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the ninety-sixth, begins September 24, 1919, and ends June 2, 1920.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, Infirmary practice, and hospital and dispensary clinics. Particular stress is laid upon laboratory work and clinical teaching. The clinical material of the Infirmary, University Hospital and Dispensary is utilized to the fullest extent, as the Infirmary, Hospital, the Dispensary, and the Dental School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of dentistry. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in dentistry. These lectures are followed by systematic and thorough quizzes, so that it may be certain that the students properly and thoroughly grasp the ideas presented by the lecturers.

The recitation and quiz work is made so complete that students do not need to employ private quizmasters.

The object sought throughout the courses is to ground thoroughly the students in the knowledge which is necessary to a practitioner of dentistry.

The policy adopted by the School is to give a comprehensive, well graded and well-proportioned course—one that will adequately prepare the graduate to practice modern dentistry and meet the requirements of State Boards.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in italics:

First Year	Hours	Third Year.	Hours
<i>Prosthetic Technics</i>	96	<i>Prosthetic Technics</i>	96
<i>Dental Rhetoric</i>	96	<i>Crown and Bridge</i>	160
Technical Drawing	48	Physical Diagnosis & Anaes	60
<i>Anatomy and Embryology</i>	320	Oral Surgery	48
<i>Histology</i>	210	Materia Medica and	
<i>Chemistry, General</i>	96	Therapeutics	64
<i>Dental Anatomy</i>	96	<i>Operative, Pros. and Cl.</i>	
<i>Physics</i>	192	<i>Dent.</i>	465
<i>Operative Technics</i>	80	<i>Bacteriology</i>	128
		<i>Pathology, Gen. and Dent.</i>	180
	1234		1201
Second Year		Fourth Year.	
<i>Chemistry, Qual. Analysis</i>	96	<i>Orthodontia</i>	105
<i>Chemistry, Org. and Phys.</i>	180	<i>Crown and Bridge</i>	160
<i>Chemistry, Metallurgy</i>	64	Jurisprudence, Economics,	
<i>Physiology</i>	240	Ethics & History....	32
<i>Operative Technics</i>	80	Oral Hygiene	32
<i>Operative, Pros. and Cl.</i>		Roentgenology	32
<i>Dent.</i>	340	<i>Oral Surgery</i>	97
<i>Prosthetic Technics</i>	96	<i>Operative, Pros. and Cl.</i>	
<i>Oral Prophylaxis</i>	108	<i>Dent.</i>	600
	1204	<i>Pros. Technics</i>	96
			1154
Total			4,793 hours.

COURSE OF INSTRUCTION

The course of instruction extends through four years of eight months each. The subjects taught during the course are divided as follows:

ANATOMY, INCLUDING HISTOLOGY AND EMBRYOLOGY

CARL LAWRENCE DAVIS, M.D.....	Professor
JOHN K. BUTKIEWICZ, D.D.S.....	Professor of Histology
GEORGE HENRY RAWSON, M.D.....	Instructor

The instruction in the various anatomical sciences—gross human anatomy, neurology, embryology, histology and dental anatomy

and histology is carried on by the Division of Anatomy of which the Professor of Anatomy is the head.

This insures complete correlation of the various anatomical branches and adequate instruction in each.

The subject of Gross Anatomy is given mainly by practical laboratory work.

The course is given during the first year thus enabling the student to apply his early knowledge of Anatomy to his other branches of study.

Each student is required to dissect the lateral half of the head, neck, thorax, abdomen and either the upper or lower extremity. Not more than four (4) students will be assigned to a cadaver. The dissecting room work is supplemented by demonstration, recitation and lectures, illustrated by lantern slides, models, diagrams and special dissections. The systematic study of the gross, and minute anatomy of the central nervous system and organs of special sense is pursued by means of lectures, recitations, and laboratory work.

Subject.	Year.	Hours.
Anatomy and Embryology	I	320
Dental Anatomy	I	96
		416

HISTOLOGY AND EMBRYOLOGY

In Histology instruction is given in the care and use of the microscope and in the preparation of tissues (fixing, blocking, cutting, staining, etc.) for microscopical examination, and a systematic study is made of the minute structure of the tissues and organs of the body, the laboratory work being supplemented by lectures, recitations and stereopticon demonstrations.

The course in Embryology is devoted to the study of marine material, showing maturation, impregnation, segmentation, etc., and to series of chick and mammalian embryos, special stress being laid upon the development of the face and mouth.

Lectures, recitations and demonstrations with laboratory models are also given.

Subject.	Year.	Hours.
Histology	I	210

PHYSIOLOGY, PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

PHYSIOLOGY AND PHARMACOLOGY

WILLIAM H. SCHULTZ, Ph.B., Ph.D.....Professor

These subjects are taught in lectures, recitations, and laboratory exercises. In the lectures and recitations special emphasis is placed upon those parts of physiology that have a known bearing upon dental medicine and surgery, especially digestion, secretion, and the nervous system. Three laboratory periods a week during a semester give the student first-hand knowledge of the principal facts about the general functions of tissues, and the special functions of the nervous system, the special senses, the heart, circulation, digestion, and respiration.

During the laboratory exercises the students, divided into small groups under instructors, investigate the action of the most common drugs, including alcohol, ether, chloroform, digitalis, aconite, strychnine, etc., by actual experiment. They are taught what effects to expect from the use of a given drug and to observe the results as they occur.

Subject.	Year.	Hours.
Physiology	II	240

MATERIA MEDICA AND THERAPEUTICS

JOHN K. BUTKIEWICZ, D.D.S.....Associate Professor

Instruction in these subjects embraces:

The study of crude drugs and their preparations and the art of prescribing, the physiological action of drugs in the human system; the practical application of drugs and other therapeutic agencies to the prevention and cure of diseases and the relief of suffering, together with their antidotal relation to poisons.

The subject is taught by means of lectures, recitations, and black-board illustrations, and is made practical to as great a degree as is compatible with a sufficiently thorough understanding of its principles.

Special attention is given to those drugs that are of most value in the practice of dentistry.

Subject.	Year.	Hours.
Materia Medica and Thearapeutics	III	64

CHEMISTRY, INCLUDING INORGANIC, ORGANIC, AND PHYSIOLOGICAL, AND METALLURGY

CHEMISTRY

FRANK ADELBERT HORNADAY, S.B., M.D.....Professor
 JOSEPH HIRAM ROE, A.B., A.M. Associate Professor

The instruction in this subject embraces:

A short discussion of the principles of Physics in their relation to Chemistry, the principle of chemical philosophy, and the laws of chemical combination.

A study of the elements, metallic and non-metallic; the preparation, properties, and reaction of their different compounds and their application in dentistry; an abridged course in qualitative analysis, covering the commoner metallic elements; Organic Chemistry, with special attention to those organic compounds that are of practical use, a brief course in physiological chemistry including laboratory work on enzymes, foodstuffs, metabolism and body fluids.

A course, both didactic and laboratory, consisting of about twenty-five periods of three hours each, is given in metallurgy, including the use and care of furnaces, the construction of an electric furnace, the study of the occurrence in nature, methods of isolation, properties and uses of the commoner metals of value in dentistry. Each student prepares a considerable number of alloys, recovers gold and silver from alloy scraps and makes analyses of alloys.

Subject.	Year.	Hours.
Chemistry, General	I	96
Chemistry, Qualitative Analysis	II	96
Chemistry, Organic and Physiological	II	180
Chemistry, Metallurgy	II	64
		436

BACTERIOLOGY AND PATHOLOGY

BACTERIOLOGY

OSCAR BENWOOD HUNTER, A.M., M.D.....Professor
 TOMAS CAJIGAS., M.D.....Associate Professor

The course begins with a consideration of the principles involved in the process of sterilization by dry and moist heat, the relative value and mode of application of each, and an explanation of the construction of the apparatus employed for the purpose. The

use and construction of the thermostat is taken up at the same time and the student taught how he can dispense with these costly appliances in emergencies.

The composition and modes of preparation of the various nutritive media are next considered, working formulas given, and the student required to prepare them at least once in the laboratory. This is followed by a discussion of bacteria as a class, their position in the biological world, the classification, distribution, and the general and special characters that belong to them.

After this preparatory training the various methods in use for the isolation and study of bacteria are taught by practical demonstration and practiced by the students, after which the most important pyogenic organisms are studied in detail, giving special attention to those found in the nasal and oral cavities.

The aim of the course is chiefly to afford the students an opportunity to become practically familiar with bacteriological working methods, and to enable them to isolate and identify the bacteria present in suppurative processes, as well as to comprehend intelligently the references to micro-organisms in the current professional literature.

PATHOLOGY

In Pathology, the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being the same as in Bacteriology. General pathology covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. About one hundred sections are stained and mounted by each student and become his individual property. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

The microscopic study is supplemented by that of post-mortem material and that from the operating room and Infirmary and by specimens in the museum thus affording a knowledge of gross morbid anatomy.

Varying in number with the extent of material afforded, students have the opportunity of training in the details of post-mortem technic from the autopsy through the preparation, sectioning, and

staining of the tissues to be studied, to their final diagnosis and report.

Subject.	Year.	Hours.
Bacteriology	III	128
Pathology	III	180
		308

OPERATIVE AND CLINICAL DENTISTRY

including OPERATIVE TECHNIQS, ORAL SURGERY, ORAL PROPHYLAXIS, ORTHODONTIA and ANAESTHESIA, PHYSICAL DIAGNOSIS and RADIOLOGY, and ETHICS and ECONOMICS.

ALEN SCOTT WOLFE, D.D.S. Professor

This course embraces lectures on the special anatomy and physiology of the teeth. The origin, growth, and eruption of the teeth receive minute attention, and are illustrated as their importance demands.

The methods of treating and filling teeth will receive attention in the lecture-room, and are demonstrated clinically by proficient operators. Extended consideration is given to Black's method of dental pathology and therapeutics. This chair has personal supervision of the department of Operative Technics and the infirmary practice.

DENTAL INFIRMARY

CARL J. MESS, D.D.S.....Director of the Infirmary
 RALPH LANCASTER MORRISON, D.D.S. Assistant Director
 WEBB WATSON WYMAN, D.D.S. Demonstrator
 RALPH SMEADE BONNETT, D.D.S.....Demonstrator
 ARMA E. RUSH, D.D.S. Demonstrator
 EDWARD J. COPPING, D.D.S.....Demonstrator
 MAURICE JOSEPH CONLEY, D.D.S. Demonstrator

The Infirmary is open every week-day the entire year. An abundance of clinical material is readily available. In fact as many patients present themselves as can possibly be attended to by the students, and many families have been coming to the Infirmary for years for dental treatment. All efforts are directed toward making the infirmary practice as much like actual practice as possible, and students are taught the observance of professional courtesy toward patients as well as the development of manipulative ability.

Each student is required to perform at least one hundred and fifty operations in fillings (gold, inlay, amalgam, cement, root fillings, etc.), prosthetic work and orthodontia. Treatments preparatory to the above and cases of exodontia are not included in the number of operations. The Infirmary will be open from 9 a. m. to 5 p. m., with competent instructors in charge. Demonstrations of the general and exact procedure are given from time to time as conditions arise. The entire work of the Infirmary is under the immediate supervision of a full time Director, so that competent management and correlation of all procedures are assured.

Subject.	Years.	Hours.
Operative, Prosthetic and Clinical Dentistry	II, III, IV	1,405

ORAL SURGERY

CHARLES STANLEY WHITE, M.D.....	Clinical Professor
ALLEN SCOTT WOLFE, D.D.S.	Professor
JOSEPH RALPH PALKIN, D.D.S.	Associate Professor
PAUL PUTZKI, M.D.....	Clinical Associate

Instruction in this subject consists of a systematic course of lectures, followed by recitations, and clinical teaching is carried on in the Infirmary and Hospital Dispensary. Amphitheater and ward clinics are given in the University and other hospitals to which the members of the Faculty are attached. Operations and demonstrations on the cadaver form a valuable part of the course.

The lectures deal with applied anatomy, surgical bacteriology and pathology, surgical technique, wounds, hemorrhage, shock, surgical diseases and injuries of the face, mouth and jaws, extraction of teeth and local and general anesthesia.

Students are expected to attend amphitheater and ward clinics when notified and are required to present at least three case-histories as a prerequisite to examination.

In this course it will also be the object to acquaint the student with primary pathological conditions of the mouth and their remote manifestations in the general system; also the systemic diseases which directly affect the oral cavity.

Subject.	Year.	Hours.
Oral Surgery	III, IV	145

ORAL HYGIENE AND PROPHYLAXIS

T. ROLAND WILKERSON, D.D.S.....	Professor
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This subject will be taught didactically and clinically, practical

work by the students in the treatment of the oral cavity will be required.

Subject.	Year.	Hours.
Oral Hygiene and Prophylaxis	II, IV	140

ORTHODONTIA

HERBERT C. HOPKINS, D.D.S. Professor
EDWARD JOHN COPPING, D.D.S.,

Associate Professor of Orthodontia

Junior-year Orthodontia is a technical course with lectures and demonstrations. The Senior course is a review of the Junior studies with advanced lectures upon the irregularities of the teeth, local and constitutional. Each student is required to make a number of appliances upon models.

Subject.	Year.	Hours.
Orthodontia	IV	105

OPERATIVE TECHNIQS

CHARLES GARDNER SHOEMAKER, D.D.S. Associate Professor
WALTER LOWELL HAGEN, D.D.S. Associate Professor
ROBERT E. LAYTON, D.D.S. Associate Professor

This subject is taught by lectures, illustrated by enlarged models and drawings, together with demonstrations of instruments and materials. The students perform exercises in manipulative procedure under the direction of the instructors.

The subject embraced in the course consists, first, of the study of dental nomenclature, that the student may acquire an understanding of the technical terms used in the course of his dental studies. This is followed by descriptive dental anatomy, and the forms and surface markings of each tooth studied, the natural teeth, as well as enlarged models and drawings being used for the purpose. Each student is required to make various sections of the teeth for the thorough study of the pulp chambers and root canals and their relations to the external surface of the teeth.

That tooth-forms may be more perfectly impressed upon the mind of the students, each student is required to carve a tooth of the several classes, as incisor, cuspid, bicuspid, and molar, in bone or artificial ivory, representing the actual form and size of the natural organ. Cavities are classified and illustrated by drawings and models, followed by their preparation and filling in technic forms by the student. Treating and filling root canals is given full

attention, the students performing operations of this kind upon natural teeth mounted for the purpose.

All work, in its relation to operative dentistry, is given the necessary consideration to fit the student for meeting, as far as possible, the actual requirements of the Infirmary.

Subject.	Year.	Hours.
Operative technics	I, II	160

ROENTGENOLOGY

STERLING VERNON MEAD, D.D.S.....Professor

The course comprises elementary principles of Roentgenology, technic involved in special dental Roentgenology, when and where the Roentgenogram is indicated in the dental practice, the reading of dental Roentgenograms, and stereopticon lectures on a collection of dental Roentgenograms.

DENTAL JURISPRUDENCE

JOHN ROBERT DEFARGES, D.D.S.....Professor

The lectures on jurisprudence will follow the text-book, which fully elucidates the legal relation of the dentist to his patients, the importance of dental records, the limitations of dental practice, the liabilities incurred by those who administer anaesthetics, the penalties, etc.

DENTAL ETHICS AND HISTORY

CAESARE LOUIS CONSTANTINI, D.D.S. Professor

First Year.—The subject of ethics as given in the order of instruction will comprise didactic lectures on personal ethics in the first year and on dental ethics in the fourth year. Instruction will be given concerning personal hygiene, care of laboratory equipment, general conduct and adaptability for the profession.

Fourth Year.—These lectures on ethics consist of a brief statement of the moral obligations of professional men to each other and to their patients, the duty of upholding the honor and dignity of the profession, and the differences between the profession and business or manufacturing pursuits.

DENTAL ECONOMICS

CHARLES A. SHELTON, D.D.S.....Professor

This course will instruct the student in the proper methods

to insure a practice and to retain patients; will discuss business relations between patients and dentist, fees, book and card systems, and the general economy in conducting an office.

PROSTHETIC DENTISTRY, CROWN AND BRIDGE WORK AND CERAMICS

CARL J. MESS, D.D.S.....Professor

All branches in this department will be under the supervision of the professor. He will deliver the lectures and manage in person and through his assistants the quiz work and course of instruction. This system will prevent confusion in method and technical procedures.

PROSTHETIC TECHNICS

JOHN WINSLOW TAYLOR, D.D.S.....Associate Professor
HENRY CISSEL YOUNG, D.D.S.....Associate Professor
EARNEST R. HAGAN, D.D.S.....Associate Professor
WEBB WATSON WYMAN, D.D.S. Associate Professor
EARL F. DANFORTH, D.D.S.....Instructor
HILMER ALVIN ERICKSON, D.D.S.....Instructor

The technic laboratories are thoroughly equipped for the particular work. The course in prosthetic technics extends through the Freshman, Sophomore, Junior, and Senior years.

The Freshman year is a technical and didactic course. The students are taught the proper equipment of a dental laboratory; the preparation of the mouth for dentures; methods of taking impressions of the mouth and manipulation of the various impression materials; the preparation and mounting of models; selection and anatomical arrangement of teeth; the construction of plastic dentures and crowns with general details.

The Sophomore course is technical and didactic; advanced mechanical detail work of the Freshman year including clinical work in the infirmary.

In the Junior class the course will be extended technical and didactic work, embracing a practical clinical course in taking impressions, making models, dies, and casting; swaging, rimming, attaching teeth by rubber, and in general construction of metal dentures, crown and bridge work, and ceramics.

The Senior work consists of a practical course, embracing the swaging of plates, teeth attached by soldering, clasps, porcelain work, advanced bridge work, removable bridges, and the detailed construction of all work in prosthetic dentistry.

The work of the Department is under the immediate supervision of the associate professor.

Subject.	Year.	Hours.
Prosthetic Technics	I, II, III, IV	384

CROWN AND BRIDGE-WORK, GOLD INLAY, AND PORCELAIN

JAMES WALTER BERNHARD, D.D.S.....	Associate Professor
HEILMAN BECKER, D.D.S.....	Associate Professor
VERNON J. LOHR, D.D.S.....	Associate Professor

Instruction in this course is systematically given by lectures and clinics. The course in technic extends through all four years.

Students are taught the principles and practice of inlay work, porcelain crowns, high and low fusing bodies, the use of the electric and gas furnaces.

The subject of Metallurgy taught in the metallurgical laboratory will be reviewed and an extended didactic quiz course will be given in metals, alloys, and amalgams which are used in dentistry.

Subject.	Year.	Hours.
Crown and Bridge-Work	III, IV	320

PHYSICS, TECHNICAL DRAWING AND DENTAL RHETORIC

This department is under the supervision of the Associate Professor of Physics.

PHYSICS

THOMAS B. BROWN, Ph.D.....	Associate Professor
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The course parallels that given to students in the Arts and Science Department of the University, except those in Engineering, and includes both didactic and laboratory work on mechanics, heat, light, sound, and electricity. Particular attention is paid to those phases of the subject that are of importance in dentistry.

Subject.	Year.	Hours.
Physics	I	192

TECHNICAL DRAWING

ALBERT BURNLEY BIBB, A.M.	Professor
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A brief course in elementary free hand work is given.

Subject.	Year.	Hours.
Technical Drawing.....	I	48

DENTAL RHETORIC

WILLIAM ALLEN WILBUR, A.M., Litt.D. Professor

This course parallels English I in the Arts and Sciences Department, being a study of the principles of self-expression through language, with practice in composition, principally on themes of interest in Dentistry.

Subject.	Year.	Hours.
Dental	I	96

CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

UNIVERSITY HOSPITAL AND THE UNIVERSITY DISPENSARY

H Street, between Thirteenth and Fourteenth Streets N. W., and adjacent to the Medical and Dental Building.—The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical and Dental Schools, are entirely controlled by the Faculty of Medicine and Dentistry, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine and Dentistry.

EMERGENCY HOSPITAL AND CENTRAL DISPENSARY

1711 New York Avenue.—This hospital has 100 charity beds, and has a very large out-patient service. The large emergency service gives exceptional facilities in clinical surgery, particularly in fractures and dislocations which are taught in regular clinics by the clinical professor in this subject.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz.: first year, second year, third year and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special

permission of the Advisory Committee of the Faculty. For special examinations, a fee of five dollars will be charged for each subject.

To be *advanced*, a student must not be conditioned in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

A student who fails to remove a condition or failure within twelve months from the time it was incurred, shall automatically be dropped from the school.

Students who are conditioned in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege, will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

A condition (a grade between 60 and 75%) which is not removed within 30 days of the opening of the regular school year, automatically becomes a failure and can then only be removed by repetition of the course.

A failure (any grade below 60%) may not be removed except by a repetition of a course or additional work as outlined by the Advisory Committee of the Faculty.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Dental Surgery must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 85 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must

be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction." If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

FEES AND CONTINGENT EXPENSES

Registration fee on entrance.....	\$ 5
Registration fee each subsequent year.....	2
Tuition each year.....	150
Graduation fee.....	10
Breakage fee.....	10
Supplementary examinations, each.....	5

This includes all laboratory fees and charges for material used in practical anatomy. Students will, however, be required to pay all charges for injury to microscopes, apparatus and other college property.

For each year, certain books and instruments are necessary, which each student will be required to purchase in accordance with published lists.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Doctor of Dental Surgery who take courses in Histology, Bacteriology or Pathology will be charged a fee of \$6.00 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned in any one school year, he will be charged a single fee of \$6.00 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without further charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Dental School is for a period not to exceed one year at a time, and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Treasurer, 2024 G Street, or at the office of the Dental School, 1335 H Street.

Students will be required to purchase the necessary text books and instruments for the particular year in which they may enter.

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

For catalogues, application blanks, and further information, address

THE DEAN,
Dental School, George Washington University,
1335 H Street N. W., Washington, D. C.

LAW SCHOOL

FACULTY

WILLIAM MILLER COLLIER, A.M., LL.D., President of the University A.B., 1889, A.M., 1892, LL.D., 1918, Hamilton College; LL.D. 1917, George Washington University; Referee in Bankruptcy for Northern District of New York, 1898-99; *Editor, American Bankruptcy Reports*, Vols. 1-12, 1899-1905; Lecturer on the Law of Bankruptcy, 1903-05, New York Law School; Special Assistant Attorney General of the U. S. and Solicitor of the Department of Labor, 1903-05; American Minister Plenipotentiary and Envoy Extraordinary to Spain, 1905-09; Chief of American Delegation (with rank of Minister Plenipotentiary to the International Conference at Christiania, to frame a government for the islands of Spitzbergen, 1914; Lecturer in International Law, New York Law School, 1912-18; Lecturer in International Law, Wells College, 1915-16; Lecturer on the Law and Practice of Diplomacy, George Washington University, 1916-18; President, George Washington University, 1918.

MERTON LEROY FERSON, A.M., LL.B., Dean and Professor of Law Ph.B., 1900, LL.B., 1901, A.M., 1905, State University of Iowa; Professor of Law, 1915-16, State University of Iowa; Assistant Professor of Law, 1911-14, Professor of Law, 1914—George Washington University; Acting Dean of the Law School, 1917-18; Dean of the Law School 1918—George Washington University.

WALTER COLLINS CLEPHANE, LL.M., ...Professor of Law LL.B., 1889, LL.M., 1890, George Washington University; Professor of Law, 1899—George Washington University.

EDWIN CHARLES BRANDENBURG, LL.M. Professor of Law LL.B., 1890, LL.M., 1891, George Washington University; Professor of Law, 1899—George Washington University.

ARTHUR PETER, LL.B., ...Professor of Law LL.B., (with distinction), 1893, National University Law School; Lecturer in Law, 1899-1900, National University Law School; Assistant Professor of Law, 1900-1901; Professor of Law 1901—George Washington University.

JOHN PAUL EARNEST, A.M., LL.M. Professor of Law
A.M., 1890, Pennsylvania College, LL.B., 1888, LL.M., 1890,
George Washington University; Professor of Law 1902—
George Washington University.

WENDELL PHILLIPS STAFFORD, A.M., LL.D. Professor of Law
LL.B., 1883, Boston University Law School; A.M., 1901, Dart-
mouth College; LL.D., 1909, Georgetown University; Litt.D.,
1913, Middleburg College; Litt.D., 1916, George Washington
University; Professor of Law, 1909—George Washington Uni-
versity.

JOHN WILMER LATIMER, LL.B. Professor of Law
LL.B., 1897, George Washington University; Lecturer in De-
partment of Arts and Sciences, 1906-1914; Clerk of the Moot
Court, 1903-1909; Instructor in Practice, 1909; Assistant Pro-
fessor of Law, 1910-1914; Professor of Law, 1914—George
Washington University.

*ARCHIBALD KING, A.M., LL.B., ...Assistant Professor of Law
A.B., magna cum laude, 1903, A.M., 1904, LL.B., 1906, Harvard
University; Assistant Professor of Law, 1914—George Wash-
ington University.

WILLIAM CABELL VAN VLECK, A.B., LL.B.,
Secretary of the Law School and Assistant Professor of Law.
A.B., (with distinction), 1908, LL.B., (with distinction), 1911,
George Washington University; Instructor in Law, 1912-1916;
Assistant Professor of Law, 1916—; Secretary of the Law
School 1912—George Washington University.

†CHARLES SAGER COLLIER, A.B., LL.B., Assistant Professor of Law
A.B., summa cum laude, 1911, LL.B., 1915, Harvard University;
Sheldon Travelling Fellow, 1911-12; Tutor in History, Govern-
ment and Economics, 1916-17, Harvard University; Assistant
Professor of Law 1917,—George Washington University; Lec-
turer in Law, 1918-1919, Cornell University.

MERRILL ISAAC SCHNEBLY, A.B., J.D., Assistant Professor of Law
A.B., 1911, J.D., cum laude, 1913, University of Chicago; As-
sistant Professor of Law, 1917—George Washington Univer-
sity.

JOHN MONTEITH MCFALL, A.M., LL.B., Assistant Professor of Law
A.B., 1904, College of Charleston; A.M., 1906, Columbia Univer-
sity; LL.B., (with distinction), 1915, George Washington
University; Assistant Professor of Law, 1918—George Wash-
ington University.

*On leave of absence. An officer in the American Expeditionary
Forces in France.

†On leave of absence 1918-1919.

LOYD HALL SUTTON, S.B., LL.B., Associate Professor of Patent Law S.B., 1908, Massachusetts Institute of Technology; LL.B., (with distinction), 1913, George Washington University; Assistant Instructor in Marine Engineering and Steam Turbine Design, 1908-09, Massachusetts Institute of Technology; Instructor in Patent Law, 1914-1917, Associate Professor of Patent Law, 1917—George Washington University.

EDMUND MORRIS MORGAN, A.M., LL.B., Lecturer on Military Law. A.B., magna cum laude, 1902, A.M., 1903, LL.B., cum laude, 1905; Harvard University; Professor of Law 1912-1917, University of Minnesota; Professor of Law, 1917,—Yale University; Editor of Harvard Law Review, 1903-1905; Lecturer on Military Law, 1918-19, George Washington University.

FRED C. O'CONNELL, LL.M., ...Clerk of the Moot Court LL.B., 1893, LL.M., 1894, George Washington University; Clerk of the Moot Court, 1917, George Washington University.

MOOT COURT OF APPEALS

HENRY BROWN FLOYD MACFARLAND Chief Justice
STANTON JUDKINS PEELE, LL.D. Associate Justice
BRAINARD WARNER PARKER, LL.B. Associate Justice

LIBRARY

ARTHUR VAN METER Assistant Librarian
EUGENE UNDERWOOD Assistant Librarian

GENERAL STATEMENT

History.—The Law School, established in 1865, is the oldest in the city of Washington. Its course of instruction for the degree of Bachelor of Laws originally requiring two years was increased in 1898 to three years. A year of graduate work was added in 1877 leading to the degree of Master of Laws. The curriculum has since been increased by a course of study leading to the degree of Master of Patent Law.

Member of Association of American Law Schools.—The law School was one of the group of law schools which in 1900 organized the Association of American Law Schools and it has remained a member of the Association since that time. This Association includes forty-eight of the most progressive law schools of the country and is committed to the policy of advancement in legal education. As this school maintains the standards of the Association, work certified by it is given a maximum of credit by other law schools of the country. This enables students who are

unable to complete their studies in Washington, to continue them at other institutions with a minimum loss of time and work.

Purpose of Course.—The School aims to give a thorough legal training to students whose education and maturity fit them to pursue serious professional study. Nearly sixty per cent of its students have had college training and their average age is over twenty-five years. A preliminary course in liberal arts is encouraged and the University permits the first year of law work to be counted as the fourth year of college work for the degree of Bachelor of Arts, thus enabling students to obtain both the academic and professional degrees in six years.

Method of Instruction.—The method of instruction followed is designed to instill correct modes of legal study, to train the mind in legal reasoning and to give a thorough grasp of fundamental legal principles. The student studies leading cases—the earlier cases which establish a principle, the later cases which show its qualifications. This study is supplemented by classroom discussion and instruction. Thus while the student is being trained to analyze and to discriminate, he at the same time masters the principles of law, sees the reasons on which they are based, and observes the influence on their development of successive, political, economic and social theories. The method is most practical. The student has always before him actual problems and their solution by the ablest judges of England and America. He begins under his teacher's guidance the work he must do when he enters practice. In no other way can the future lawyer acquire such power to solve the new problems arising from the rapidly changing social and economic conditions of life.

“The only way to clarify and simplify our law as a whole is to reach the lawyer in the making and mold his habits of thought by adequate instruction and training so that when he comes to the Bar he will have learned to think not merely in terms of law but in terms of jurisprudence. The living principle of the case system of instruction in our law schools is that the student is required by a truly scientific method of induction to extract the principle from the decision and to continually state and restate for himself a system of law evolved from its history. He is thus preparing not merely to accept formally dogmatic statements of principles but to receive and assimilate and make his own the systematic thought and learning of the world in the science of jurisprudence. With a Bar subjected generally to that process of instruction, the more general systematic study of jurisprudence would follow naturally and inevitably, and the influence of that study would be

universal; and from that condition would evolve naturally the systematic restatement of our law, by men equal to that great work."*

This inductive case system is the antithesis of the lecture and illustrative case method which is often mistaken for it. The case method is now used in over eighty per cent of the schools in the Association of American Law Schools.

The substantive law is taught almost wholly by professional teachers employing the case method and giving all their time to the school; the practice courses are conducted by lawyers and judges in active practice.

Scope of Course.—The course of study is not local in its scope but constitutes a thorough preparation for the practice of law in any English speaking jurisdiction. It satisfies the professional study required for admission to the Bar examinations of the District of Columbia and all other jurisdictions of the United States. The school has conferred over 2,500 degrees, and its graduates are now practicing in every state of the Union.

ADVANTAGES OF WASHINGTON FOR THE STUDY OF LAW

The city of Washington has unusual attractions for students and particularly for students of law. It lies between the North and the South. It is a residential city of rare beauty, and its population is drawn from all over the United States. The library facilities of the city, both general and legal, are unexcelled. It is unique in the extent of its legal machinery. It is the seat of Congress, the Supreme Court of the United States, the Department of Justice, the United States Court of Claims, the United States Court of Customs Appeals, and of the District of Columbia Court of Appeals, Supreme Court and Municipal Courts, which exercise the dual function of state and federal courts. By attending the sessions of these various bodies students can familiarize themselves with all branches of legal procedure and keep in touch with current legal thought while pursuing their studies.

LOCATION

The Law School occupies the entire fifth and sixth floors of the New Masonic Temple, corner of New York Avenue, Thirteenth and H Streets N. W., and is easily accessible from all parts of the city. The quarters are well equipped with commodious class rooms, moot court rooms, offices, the law library, and a students room.

* From the address of Hon. Elihu Root, President of the American Bar Association, August, 1916.

LIBRARY

A well-equipped working library comprising 7500 volumes, is open to students from 8.30 a.m. to 10 p.m. Competent librarians are in charge and will give students assistance in the use of books.

The library contains the complete decisions of the highest courts of forty-six states and the District of Columbia, the complete reports of the United States Supreme Court and the other federal courts, the complete National Reporter Reports, the Century, Decennial, Key number and United States Supreme Court Digests, the various encyclopedias of law, the Lawyers Reports Annotated, the American Decisions, American Reports and American State Reports, the English Common Law and Chancery Reports, the English Reprint, the English Law Reports and Law Journal Reports since 1865 and about 800 standard text books and legal periodicals.

In addition to these facilities the students have free access to the Congressional Library and other public libraries.

ACADEMIC YEAR AND REGISTRATION

The academic year 1919-20 begins Wednesday, September 24, closes Wednesday, June 2. The year is divided into two half-years, the second beginning February 2. The course is so arranged that a student may enter the second half-year and be graduated three years from that time, receiving his degree at the Winter Convocation held on or about February 22, of each year.

Students are urged to register at the beginning of the half-year. Those who register later than three weeks after the opening of the half-year, will be restricted to registration for such work only as in the opinion of the faculty they can successfully carry.

HOURS OF INSTRUCTION

The hours of instruction are 7.50-8.40 a. m., 9.00 a. m.-12.00 m., and 5.10-6.50 p. m. Many of the courses are duplicated, so that a student may, if he so desires, confine his work largely either to the forenoon or to the afternoon. Students who desire, or are compelled by circumstances, to support themselves by employment in the Government Service or elsewhere, or who desire to obtain practical experience in an attorney's office in addition to their work in law school, will find this arrangement of hours especially desirable. Such students may complete the full course for the degree, confining their attendance entirely from 5.10-6.50 p.m., or attending partly from 7.50-8.40 a. m., and partly from 5.10-6.50 p. m.

ADMISSION

Both men and women are admitted to the Law School.

I. *For the Degree of Bachelor of Laws.*—The requirements for admission to the course leading to the degree of Bachelor of Laws may be satisfied in either of the following ways:

a. By the presentation of a diploma or certificate of graduation from the classical, scientific or equivalent course of a college or university.

b. By the presentation of certificates from a college or university, or from an approved high school or preparatory school, showing the successful completion of at least fifteen high school units, which are broadly equivalent to a four year high school course. A unit represents approximately one year of study of a major subject in a high school. Applicants qualifying for admission under this requirement must be at least eighteen years of age. Those presenting high school credits only should have them certified on the blank forms which they may obtain from the Secretary of the Law School.

The fifteen units may be made up from the following subjects: (The Roman numerals indicate the year of study in the subject).

<i>Subjects</i>	<i>Units</i>
English I, II, III, IV	4
Latin, Elementary, I, II	2
Advanced, III, IV	2
Greek, Elementary, I, II	2
Advanced, III	1
French, Elementary, I, II	2
Advanced, III, IV	2
German, Elementary, I, II	2
Advanced, III, IV	2
Spanish, Elementary, I, II	2
History, Ancient	1
Mediaeval and Modern European	1
English	1
American	1
Mathematics	
Alegbra, Elementary and Intermediate	1½
Advanced	½
Geometry, Plane	1
Solid	½
Plane Trigonometry	½

Science

Physics	1
Chemistry	1
Physiography	1
Biology	1
Botany	$\frac{1}{2}$
Zoology	$\frac{1}{2}$
Political Economy	$\frac{1}{2}$
Civil Government	$\frac{1}{2}$

Commercial High School Subjects

Accounting and Finance	1
Bookkeeping	1
Business Organization	1
Commercial Law	1
Commercial History	$\frac{1}{2}$
Commercial Geography	$\frac{1}{2}$
Government and Industrial Problems	1

II. *For the Degree of Master of Laws or Master of Patent Law.*—Candidates for these degrees must be at least twenty-one years of age and hold the degree of Bachelor of Laws from an institution substantially complying with the requirements of the Association of American Law Schools.

III. *As Special Students.*—Persons who can not qualify as candidates for a degree but are over twenty-one years of age and have had such educational training and practical experience as should enable them to pursue satisfactorily the study of law, may be admitted as special students by consent of the Dean.

ADVANCED STANDING

Students from other law schools which substantially comply with the requirements of the Association of American Law Schools will receive equivalent credit, not exceeding two years' work. Such students must have been qualified to enter this school when they began the study of law. The right is reserved to refuse such credit, in whole or part, save conditionally or after examination, and credit given may be withdrawn for poor work.

Applicants of whom examination may be required, can take the regular examinations or those held at the beginning of each academic year. (See examinations.)

No credit will be given for studies pursued in a college or high school before entering on the regular study of law, or in a law office.

SUBJECTS OF INSTRUCTION

The course of instruction extends through a period of at least three years. For the degree of Bachelor of Laws twelve hours class work a week are necessary to complete the course in three years. Ten hours a week for a year in subjects not counted towards the Bachelor's degree, are required for the degree of Master of Laws or Master of Patent Law.

The subjects marked with an asterisk are prescribed for the degree of Bachelor of Laws. The student may elect the remainder of his subjects. Third-year students may elect subjects of the second year not previously studied. The selection of the subjects must be made in all cases within ten days after the beginning of the half-year.

Students devoting their whole time to the study of law may, with the permission of the Dean, take work not exceeding fifteen hours a week. Excess credits may be applied toward the degree of Master of Laws or Master of Patent Law. Students with substantial outside employment may not register for more than twelve hours and are urged to carry less, and to devote more than three years to the course.

FIRST YEAR SUBJECTS

*COMMON LAW ACTIONS. *One hour first half year.* Introductory to study of law. Substantive and adjective law; courts; steps in an action; original writ; scope of formed actions; growth of new actions; development of law. *Sunderland's Cases on Common Law Pleading.* MR. VAN VLECK.

*CONTRACTS. *Three hours.* Simple contracts: offer, duration and termination thereof; acceptance; consideration; contracts under seal, including thereunder formalities of execution, delivery and consideration; parties affected by contracts: beneficiaries; assignees; joint obligors and obligees; performance of contracts: express and implied conditions; impossibility. *Williston's Cases on Contracts.* MR. FERSON.

CRIMINAL LAW AND PROCEDURE. *Three hours second half year.* Sources of the criminal law; intent and act; attempts; insanity as a defense; historical development of crimes and statutory changes. The arrest; bail; the grand jury; the indictment; trial; pleas; modification of early practice, and statutory changes. *Mikell's Cases on Criminal Law and Procedure.* MR. EARNEST.

*EQUITY I. *Two hours second half year.* The nature and underlying principles of equity; specific performance of affirmative and

* Prescribed Subjects.

negative contracts; relief for and against third persons under contracts, especially under contracts relating to the use of land. *Ames' Cases on Equity Jurisdiction, Volume I.* MR. MCFALL.

*PERSONAL PROPERTY. *Three hours first half year.* Distinction between personal and real property; nature of and rights based upon possession; some methods of acquiring title to chattels; liens and pledges; conversion. *Warren's Cases on Property.* MR. VAN VLECK.

PRINCIPLES OF LEGAL LIABILITY. *Three hours first half year.* Nature of an act; causation of injury; proximity or remoteness of injury as affecting tort or criminal liability of the actor; effect of interposition of other causes including natural forces and acts of animals and human beings; excuses for acts causing injury including duty, public authority, defence of person and property and consent of injured person. *Beale's Cases on Legal Liability.* MR. MCFALL.

*REAL PROPERTY I. *Two hours second half year.* Feudal tenure and incidents; estates in land; co-tenancy; future interests; seisin; creating and transferring estates; uses; incidents of ownership. *Warren's Cases on Property.* MR. SCHNEBLY.

*TORTS. *Two hours.* Negligence; duty of care of occupant of land toward those coming on it; trespass to the person, to real and personal property; contributory negligence; liability for fire or explosives; liability of owner of animals; deceit; libel and slander; malicious prosecution; unfair competition; strikes and lock-outs. *Pound's Cases on Torts.* MR. VAN VLECK.

SECOND YEAR SUBJECTS

†AGENCY. *Three hours first half year.* Requisites for creation of the agency relation; power of the agent to subject the principal to tort, criminal and contract liability to third persons; responsibility of the agent to third persons; liabilities in case of undisclosed principal; duties of principal and agent inter se; delegation of powers by the agent; ratification; termination of agency. *Wambaugh's Cases on Agency.* MR. FERSON.

*BILLS AND NOTES. *Three hours second half year.* Form and essential requisites of negotiable instruments; delivery; indorsement; liability of maker, acceptor, drawer, indorser, and of person transferring by delivery. *Colson's Huffcut's Cases on Negotiable Instruments.* MR. FERSON.

* Prescribed Subjects.

† Not given year 1918-19.

*COMMON LAW PLEADING. *Two hours first half year.* The declaration, necessary allegations, separate counts, joinder of causes; pleas, the common traverse, the special traverse, the general issues, confession and avoidance, estoppel, abatement; replications; amendment, aider and replender. *Stephen on Pleading.* MR. CLEPHANE.

†DOMESTIC RELATIONS. *Two hours half year.* Marriage, divorce and separation; personal and property rights and liabilities of husband and wife; parent and child; infancy. *Woodruff's Cases on Domestic Relations (2d ed.).* MR. VAN VLECK.

*EQUITY II. *Two hours first half year.* A continuation of the study of the rules regulating specific performance of contracts including the doctrine of equitable conversion, and the more important defenses to a specific performance such as the statute of frauds, fraud, hardship, misrepresentation and concealment. *Ames' Cases on Equity Jurisdiction, Volume I.* MR. MCFALL.

EQUITY III. *Two hours second half year.* Bills of interpleader; bills of peace; bills Quia Timet; cloud on title; reformation and rescission; mistake of law and mistake of fact. *Ames' Cases on Equity Jurisdiction, Volume II.* JUSTICE STAFFORD.

*EVIDENCE. *Three hours first half year.* Judicial notice; burden of proof and presumptions; admissions and confessions; character; opinion evidence; the hearsay rule and its exceptions; the privileges and disqualifications of witnesses; the examination of witnesses; writings. *McKelvey on Evidence, Thayer's Cases on Evidence.* MR. PETER.

INSURANCE. *Three hours second half year.* Marine, fire and life insurance; validity of the policy as affected by insurable interest; concealment; representation; warranty and other matters; rights of the insured and of the insurer under the policy; rights of assignees and beneficiaries. *Wambaugh's Cases on Insurance.* MR. MCFALL.

MILITARY LAW. *Three hours first half year and two months in second half year.* Military jurisdiction. The primitive articles of war, courts-martial, military persons, Government's civil liability for contracts and torts by military persons, effect of war on civil rights and liabilities, army organization and administration. *Manual of Courts-martial, and Wigmore's Source Book on Military Law.* LIEUT.-COL. MORGAN.

* Prescribed Subjects.

† Not given year 1918-19.

QUASI-CONTRACTS. *Two hours second half year.* Obligations imposed by law which are enforceable by action of assumpsit. *Thurston's Cases on Quasi-Contracts.* MR. VAN VLECK.

***REAL PROPERTY II.** *Two hours.* Rights in another's land; profits, easements, licenses, covenants running with the land; acquisition of Real Estate Inter Vivos; accretion, adverse possession, prescription, conveyancing, covenants for title, estoppel by deed; dedication. *Warren's Cases on Property and Gray's Cases on Property (2d Ed.) Volume III.* MR. SCHNEBLY.

†**SALES.** *Three hours second half year.* Subject matter of a sale of personal property; the passing of title as affected by the goods being specified or unspecified, the contract being executed or executory, the use of documents of title, and shipments c.o.d.; effect of fraud and of retention of possession; rights and remedies of the seller; rights and remedies of the buyer. *Williston's Cases on Sales (2d ed.).*

THIRD YEAR SUBJECTS

BANKRUPTCY. *Two hours second half year.* History of the law; jurisdiction and procedure in Courts of Bankruptcy and before Referees; effect upon civil litigation of bankruptcy proceedings; voidable preferences; jurisdiction over appeals, etc. MR. BRANDENBURG.

CONFLICT OF LAWS. *Two hours.* Jurisdiction; of law over persons and things; of courts, in rem, in personam, quasi in rem, and for divorce; creation and enforcement of foreign rights; limitations and enforcement of such rights; remedies, including rights of action and procedure; particular classes of rights, including **personal rights, property rights**, tort rights, contract rights; administration of estates. *Lorenzen's Cases on Conflict of Laws.* MR. VAN VLECK.

CONSTITUTIONAL LAW. *Two hours.* Legislative, executive and judicial powers; the relation of nation and states; District of Columbia and territories; the contract clause; ex post facto laws; fourteenth amendment; commerce clause, etc. *Wambaugh's Cases on Constitutional Law.* MR. MCFALL.

***CORPORATIONS.** *Two hours.* The course aims to deal with all general principles of corporation law including the corporation's

* Prescribed Subjects.

† Not given year 1918-19.

relations with the state, its promoters, its stockholders, and its creditors, and the rights and obligations arising therefrom. *Warren's Cases on Corporations* (2d ed.). MR. SCHNEBLY.

EQUITY PLEADING AND PRACTICE. *One hour second half year.* Parties; process; bills; demurrers; answers; pleas; disclaimers; cross-bills; replications; amendments; practice; injunctions; receivers. *Jones on Equity Pleading and Practice.* MR. CLEPHANE.

FEDERAL PROCEDURE. *Two hours first half year.* Source of Federal jurisdiction; the law as administered by Federal Courts; jurisdiction and procedure; appellate jurisdiction of Circuit Court of Appeals and Supreme Court of the United States; practice in Court of Claims, and other Federal Courts. MR. BRANDENBURG.

LEGAL BIBLIOGRAPHY AND BRIEF MAKING. *One hour first half year.* Where and how to find the law; how to use decisions and statutes; trial brief; appeal brief. JUDGE LATIMER.

LEGAL TACTICS AND ETHICS. *One hour first half year.* Duties of attorneys; ethics; office practice; common law practice; summary judgments; attachments; examination of witnesses; appellate practice; extraordinary legal remedies. MR. CLEPHANE.

***MOOT COURT.** *Two hours.* Pleadings; trials before judge; trials before jury; extraordinary remedies; appellate work. There are three nisi prius courts, Equity, Circuit, and Criminal, and a Court of Appeals. The proceedings are conducted as in a regular court. Statements of fact are furnished the students who must determine the court in which to sue, frame their pleadings, and conduct the cases to a conclusion in accordance with the rules of actual practice. MESSRS. CLEPHANE AND EARNEST AND JUDGE LATIMER.

ORGANIZATION AND MANAGEMENT OF CORPORATIONS. *One hour second half year.* Promotion; selecting domicile; capitalization; charter; by-laws; meetings; stockholders; directors; officers; stock; bonds; voting trusts. *Clephane on the Organization and Management of Corporations.* MR. CLEPHANE.

PARTNERSHIP. *Two hours first half year.* Formation; title to partnership property; partnership liability; rights and duties of partners inter se; rights and remedies of creditors. *Ames' Cases on Partnership.* JUSTICE STAFFORD.

*Prescribed Subject

PATENT LAW (SUBSTANTIVE) AND PATENT OFFICE PRACTICE.

Two hours. Substantive Patent Law; Subjects of patents; invention; anticipation; statutory bars; utility; parties; reissues; disclaimers; extent of monopoly; state and federal regulation; transfers of title; licenses; construing claims; infringement. Patent Office Practice; Attorneys; application papers; examinations; amendments; division; double patenting; interferences; interference practice; appeals; abandonment; renewals; public use proceedings; issue. **MR. SUTTON.**

PATENT LAW PRACTICE. *Second half year.* Trial of patent law cases in moot court. **MR. SUTTON.**

PREPARATION OF LEGAL INSTRUMENTS. *One hour second half year.* Contracts; deeds; acknowledgement and proof of deeds; mortgages and deeds of trust; leases; bills of sale; chattel mortgages; release of mortgages or deeds of trust; powers of attorney; assignments; wills. **JUDGE LATIMER.**

†**PUBLIC SERVICE COMPANIES AND THE INTERSTATE COMMERCE ACT.** *Two hours.* An introductory consideration of the rights, liabilities and duties of public service companies in general, followed by a more minute study of the duties and obligations of carriers including those of interstate carriers as regulated by the Interstate Commerce Act. *Beale's Cases on Carriers (2d Ed.); Wyman's Cases on Public Service Companies (2d. Ed.); Frankfurter's Cases Under the Interstate Commerce Act.*

SURETYSHIP. *Two hours second half year.* Nature of the contract; kinds of suretyship; the statute of frauds; surety's defenses based on the absence, suspension or discharge of the primary obligation, or on conduct of the creditor prejudicial to the surety-rights; effect of notice of revocation by or death of the surety; subrogation; exoneration. *Ames' Cases on Suretyship.* **MR. SCHNEELY.**

TRUSTS. *Two hours.* The nature of a trust as distinguished from debt, bailment, equitable charge and executorship; the requisites for the creation of a trust including trustee, cestui que trust, object, consideration and the effect of the Statute of Frauds; the nature of the cestui's interest; the transfer of trust property by act of the parties, by death, by marriage, by insolvency and acts of creditors; the duties of the trustee in the administration of his trust. Resulting and constructive trusts. *Ames' Cases on Trusts.* **MR. FERSON.**

† Not given 1918-19.

WILLS AND ADMINISTRATION. *One hour, first half year.* History of wills: The right to make a will; what is disposable under a will; form, execution and attestation; revocation; who is entitled to administer upon an estate; distribution of an intestate's personalty; descent of realty; probate; letters testamentary and of administration; duties of executors and administrators. MR. PETER.

INTERNATIONAL LAW. *Two hours.* A course on International Law and Diplomacy offered by the Faculty of Arts and Sciences. ADMIRAL STOCKTON, PROFESSOR HILL.

SUMMER SESSION

A limited number of subjects are offered at the Summer Session. The purpose of this session is to lighten or supplement the work of the regular session by enabling students to take subjects usually taken in the regular session. These subjects may also be availed of to shorten the period of study for a degree. Students may begin the study of law at the Summer Session. The subjects offered in the summer session of 1919 (June 23 to August 6) will be Personal Property, Principles of Legal Liability, Insurance, Municipal Corporations, Domestic Relations and Suretyship. See announcement of the summer session, 1919.

PUBLIC SPEAKING AND DEBATING

Excellent facilities for training in public speaking and parliamentary law are afforded by the Columbian Debating Society, which has been organized in the Law School, and meets weekly for debate. Membership in this Society is optional, but its work is encouraged by the Faculty, and students are advised to take part in its exercises.

Intercollegiate debates are also held. Membership on the teams which represent the University in these contests must be won in preliminary contests held for such purpose. These debates are conducted under the supervision of a committee of the University Faculty.

ATTENDANCE, RECITATIONS, EXAMINATIONS, GRADES AND ELIMINATION OF STUDENTS

Attendance and Recitations.—No student except by special permission of the Dean, will be allowed to take an examination in any subject unless he shall be regularly registered and have been in regular attendance upon the classes and have done all the work required in the course of instruction upon that subject. A student who is absent over ten per cent of the class hours in any

subject will be denied credit unless his absences are excused by the Dean.

Regular Examinations.—Written examinations are held at the close of the first half-year in subjects which are then completed and at the close of the year in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean.

Grades.—At all examinations the grading of students will be indicated by the letters A, B, C, D, E, and F, representing respectively Excellent, Good, Satisfactory, Fair, Conditioned and Failed. A student receiving the grade F (failed) in any subject will be required to repeat the class work. A student receiving the grade of E (conditioned) in any subject will be required to repeat the class work unless he pass the next regular examination for the removal of conditions with a grade or at least C.

Examinations for the Removal of Conditions.—Regular examinations for the removal of conditions are held during the first week of each academic year. A special examination for the removal of conditions is held at the end of each academic year for the benefit of candidates for the Bachelor's degree who have been conditioned in not more than four hours during the first half of their last year. Application for permission to take these examinations must be made in writing to the Secretary of the Law School not later than three days before the date for which the examination is scheduled.

Elimination of Students.—Students, regular or special, whose work is unsatisfactory are required to withdraw from the school. The instructors of the first year class are a committee to examine the students' records, with power to warn, to place on probation, and to refuse reregistration to any student whose work is deemed unsatisfactory. This committee examines the records of all students immediately after the mid-year examinations and again after the final examinations.

DEGREES

1. *Bachelor of Laws.*—The degree of Bachelor of Laws will be conferred upon regular students who have studied law for a period of at least three years and passed satisfactory examinations with an average grade of at least "C" on required and elective subjects aggregating thirty-six year hours, and whose attendance and conduct have been satisfactory to the Faculty.

The degree of Bachelor of Laws with distinction will be awarded to students whose average percentage in all subjects is equivalent to the grade of A.

2. *Master of Laws.*—The degree of Master of Laws will be conferred upon students who have completed the work in subjects not counted for the Bachelor of Laws degree covering a minimum of ten hours a week with a grade of C or better and whose attendance and conduct have been satisfactory to the Faculty. The subject of International Law offered by the Faculty of Arts and Sciences may be counted towards this degree. The degree will not be conferred until one year after the receipt of the degree of Bachelor of Laws.

3. *Master of Patent Law.*—Students who have qualified for the degree of Master of Laws may elect instead the degree of Master of the Patent Law provided that they have included in their course the Patent Law subjects and Federal Procedure. This degree will not be conferred until one year after receipt of the degree of Bachelor of Laws.

Candidates for degrees who have been absent from school for two successive years shall be entitled to continue the course only on such terms as the Faculty may prescribe at the time of reentering.

Combination Six-years Course for Degrees of Bachelor of Arts and Bachelor of Laws

The University permits one year of professional work in the Law School to be counted towards an academic degree. The degree of Bachelor of Arts will be conferred on students who have completed three years of college work (45 units) including one of the four groups of subjects prescribed by Columbian College of the University, and the first year in the Law School; the degree of Bachelor of Laws on completing the whole six years of the combination course.

PRIZES

The John B. Larner Gold Medal.—A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who shall have attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded 1917-1918 to Charles Orr Marshall.

Herrick Prize.—A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class excepting the winner of the gold medal, who shall have attained the highest average grade in the entire work of the third year. Awarded 1917-18 to Gerald Vernell Weikert.

Blackstone Institute Prize.—A set of Modern American Law, donated by the Blackstone Institute is awarded annually to that member of the graduating class excepting the winner of the

Herrick Prize, who shall have attained the highest average grade in the entire work of the third year. Awarded 1917-18 to John A. Osoinach.

The Ordronaux Prize Scholarship.—A prize scholarship, known as "The Ordronaux Prize Scholarship," is awarded annually to that member of the second year class taking the regular course who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of ten hours work in his third year; library and diploma fees will remain payable. The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest grade. Awarded 1917-18 to Bessie Wooten Newsom.

Phi Delta Phi Prize.—The Marshall chapter of Phi Delta Phi Fraternity, which is the local chapter, offers a prize of twenty-five dollars cash, to be awarded annually to that member of the first year class taking the regular course who shall attain the highest average grade in the entire work of the year. Awarded in 1917-18 to Maxwell James.

Ellsworth Prize.—A prize of twenty-five dollars in gold, offered by Mr. Fitz von Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice. Awarded in 1917-18 to Hadley Fairfield Freeman.

John Byrne and Company Prize.—A prize offered by John Byrne and Company of Washington, D. C., of four volumes of their Legal Classics is awarded each year to the student attaining the highest grade in Real Property II. Awarded for 1917-18 to Thomas Claffey Lavery.

FEES

The following schedule of fees applies to all students who have matriculated in and been in attendance in the Law School prior to September 1, 1918.

1. Matriculation fee (payable once).....\$ 5
2. Library fee (payable annually one-half at the beginning of each half year) 3
3. Tuition fee per annum for each hour taken per week 10
4. Fee for graduation..... 10

The following schedule of fees applies to all students entering the Law School for the first time after September 1, 1918.

1. Registration fee (payable once upon first registration in the Law School)\$ 5
2. Tuition fee per annum for each hour taken per week 12
3. Fee for graduation..... 10

No registration will be accepted for less than a half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. *Withdrawals during the half-year will be granted only on recommendation of the Dean and the approval of the President.*

PAYMENT OF FEES

Matriculation and library fees are due in advance. Tuition may be paid in eight monthly installments in advance, but will not be apportioned for part of a month. Students unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond for \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1, of the current school year. Fees are payable at the office of the Treasurer of the University, 2101 G Street, or of the Secretary of the Law School.

STUDENTS' EMPLOYMENT

The School endeavors to assist students in finding work to aid in their support. Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue the law course in the afternoon. Information concerning these examinations may be secured from the Civil Service Commission at Washington.

There are also opportunities for private employment which will help pay expenses, but the applicant must be on hand to take advantage of them. Prospective students should have the means of support for at least a half year to give them time to secure positions. It is usually impossible to give definite aid until they come to the city.

For catalogues, application blanks and further information address

THE SECRETARY OF THE LAW SCHOOL,
George Washington University.

PART II

STUDENTS IN THE UNIVERSITY

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 15, 1919, by daggers.

DEGREES CONFERRED, MISCELLANEA

STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1918-1919

In the enumeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1918-19, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian College 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

SCHOOL OF GRADUATE STUDIES

IN ATTENDANCE

Beckwith, Angie Maria, [Mich.].....	1669	Columbia Road. A.B., 1904, University of Michigan.
†Campbell, John Alvin, [Pa.].....	4508	8th St., N. W. B.L., 1904, Westminster College; 1907, Allegheny Theological Seminary.
*Cook, Dorothy Elizabeth, [Colo.].....	3613	11th St., N. W. A.B., 1914, University of Denver.
Davis, Watson, [D. C.]	900	11th St., S. E. B.S., C.E., 1918, George Washington University.
*Drew, Nettie Victoria, [Oregon].....		The Cecil A.B., 1913, University of Oregon.
*Dzau, Linson Edward, [China].....		Chinese Legation. U. S. Military Academy, 1918.
†Farrington, Charlotte Raynsford, [D. C.]..	2518	17th St., N. W. A.B., 1909, George Washington University.
Geare, (Mrs.) Dorothy Smallwood, [D. C.]	2400	16th St. A.B., 1912, George Washington University.
Hall, Constance Sidney, [Md.].....	1761	Q St., N. W. A.B., 1917, Bryn Mawr College.
*Harrison, (Mrs.) Rebecca Smith, [N. C.].....	3610	Macomb St. Hazard, Irving Wallace, [N. Y.].....
	1739	H. St., N. W. B.S. in Chem., 1916, Syracuse University.
*Hindman, (Mrs.) Luna Pearle Parkhurst, [Mich.]		
	219	S St., N. W. A.B., 1910, University of Michigan.
*Holden, James H., [Okla.].....	1800	33rd St., N. W. B.S., 1917, University of Kansas.
Holmes, Harry Clyde, [Kansas]		
		Apt. 202, The Linville, 116 6th St., N. E. LL.B., 1916, Georgetown University.
Johnson, Otto Theophilus, [Vt.].....	3545	13th St., N. W. B.S. in E.E., 1914, University of Vermont.
Mason, Grace Dorothy, [Texas].....	3501	T St., N. W.

- A.B., 1914, Texas Christian University; A.M., 1918 Columbia University.
- Miles, Helen Augusta, [D. C.].....1418 R. I. Ave., N. W.
B.S. in Chem., 1918, George Washington University.
- *Minear, Irene, [W. Va.].....412 10th St., S. W.
A.B., 1917, West Virginia University.
- Saunders, Jeanette, [Ill.].....1443 Chapin St.
Ph.B., 1915 College of Wooster; M.A., University of Minnesota.
- *Shen, Yuan, [China].....730 22nd St., N. W.
A.B., 1918, Iowa State University.
- †Spangler, Frank LeRoy, [Kansas].....3543 10th St.
- Stearns, Orlo, [Md.].....Mt. Rainier, Md.
- Summy, Ethel Isabelle, [D. C.].....1724 Kilbourne Place.
A.B., 1918, George Washington University.
- *Taylor, Margaret Randolph, [D. C.].....2013 G St.
B.S., 1910, George Washington University.
- *Taylor, Minnie W., [R. I.].....1438 N St., N. W.
A.B., 1913, A.M., 1916, Brown University.

MASTER OF ARTS

- Bartholomew, (Mrs.) Pearl Huff.....1801 Columbia Road.
A.B., 1905, Indiana University. *Topics*—Major, Sociology; Minors, Sociology, English.
- *Brookhouse, John Albert Alfred.....2110 S St., N. W.
A.B., 1913, Mission House College; B.D., Princeton Theological Seminary. *Topics*—Major, English; Minors, Economics, History.
- *Chaney, (Mrs.) Bertha Shanks,
Washington Missionary College, Takoma Park, D. C.
B.S., 1896, Union College, Lincoln, Nebr. *Topic*—Education.
- *Chao, Chuan, [China].....1900 R St., N. W.
B.S., 1918, Wesleyan University. *Topics*—Major, Political, Science; Minors, Education, Economics.
- †Chu, King, [China].....2108 H St., N. W.
A.B., Feb. 22, 1919, George Washington University. *Topics*—Major, Political Science; Minors, Education, Economics.
- *Condit, Lester David.....479 F St., S. W.
Major, Economics; Minors, Spanish, Political Science.
- Costen, Alta, [Md.].....East Falls Church, Va.
A.B., 1917, George Washington University. *Topics*—Major, History; Minors, Economics, History.
- Eldridge, Harriet Dayton, [D. C.].....2017 Park Road.
A.B., 1917, George Washington University. *Topics*—Major, English; Minors, History, Spanish.
- *Ficklin, Kroes, [Va.].....Alexandria, Va.
A.B., 1918, George Washington University. *Topics*—Major, History; Minors, English, Education.
- Galeski, Alexandra L., [D. C.].....The Imperial Apts.
A.B., 1918, George Washington University. *Topics*—Major, English; Minors, Art, History.
- Hanford, Florence Lillian, [Conn.].....3100 P St., N. W.
A.B., 1915, Smith College. *Topics*—Major, English; Minors, French, History.

- Haslup, Alice Elma, [D. C.].....2114 18th St., N. W.
A.B., 1912, George Washington University. *Topics*—Major,
Education; Minors, English, Spanish.
- *Henry, Jerry Maurice, [Va.].....337 N. C. Ave., S. E.
A.B., 1909, Bridgewater College. *Topics*—Major, History;
Minors, Education, English. (Degree of A.M. conferred,
February 22, 1919).
- Hock, (Mrs.) Irene Doswell Childrey, [N. J.].....The Ontario.
A.B., 1918, George Washington University. *Topics*—Major,
English; Minors, English, History.
- Jones, Rosalie Gardiner, [N. Y.].....Hotel Dewey.
Topics—Major, Political Science; Minors, History, Economics.
- *†Kebler, Victor Lyman, [D. C.].....1322 Park Road.
A.B., 1918, George Washington University. *Topics*—Major,
Economics; Minors, Chemistry.
- Knowles, Margaret Morton, [Va.].....East Falls Church, Va.
A.B., 1916, George Washington University. *Topics*—Major,
English; Minors, History, English.
- Koorie, Alexander Aziz, [N. J.].....2029 Hillyer Place.
A.B., 1916, Franklin and Marshall College. *Topics*—Major,
Education; Minors, History, Philosophy.
- Lennon, Marquis Lafayette, [Tenn.].....418 Winder Bldg.
A.B., 1912, Union University, Jackson, Tenn. *Topics*—Major,
Education; Minors, Political Science, Economics.
- Lindsey, Merritt Eugene, [N. Y.].....4013 14th St., N. W.
Diploma, 1901, University of New York; B.Ped., 1902; B.S.,
1904, Ohio Northern University. *Topics*—Major, Econo-
mics; Minors, History, Political Science.
- †Lloyd, Leonila Marie, [D. C.].....54 Manor House.
A.B., Feb. 22, 1919, George Washington University. *Topics*—
Major, Economics; Minors, History, Political Science.
- Lodge, James Edwin, [Md.].....Gaithersburg, Md.
A.B., 1905, Richmond College. *Topics*—Major, English; Minor,
Education.
- *MacArthur, Nancy, [Mich.].....527 Shepherd St.
S.B., 1907, University of Chicago. *Topic*—History.
- McCarteney, Summerfield, [Ala.].....3123 Dumbarton Ave.
A.B., 1915, George Washington University. *Topics*—Major,
Economics; Minors, Spanish, Economics.
- McGuire, Ollie Roscoe, [La.].....Cherrydale, Va.
A.B., 1917, La. State University. *Topics*—Major, Political
Science; Minors, Economics, English.
- Mace, Brice Martin, Jr., [D. C.].....1907 G St., N. W.
A.B., 1908, Cumberland University, Lebanon, Tenn. *Topics*—
Major, Economics; Minors, Economics, History.
- Moore, Frank Deane, [D. C.].....1324 Euclid St.
A.B., 1918, George Washington University. *Topics*—Major,
Geology; Minors, Chemistry, Naval Architecture.
- Mori, Kenkichi, [Japan].....2213 H St., N. W.
Topics—Major, Political Science; Minors, Political Science,
History.
- *Nelson, Walter Alfred, [D. C.]
18 Cedar Ave., Takoma Park, D. C.
A.B., 1918, Washington Missionary College. *Topics*—Major,
English; Minors, Economics, Political Science.

- Peirce, Lois Emma, [D. C.].....229 Pa. Ave., S. E.
A.B., 1917, George Washington University. *Topics*—Major,
Education; Minors, Philosophy, Philosophy.
- Reed, Edwin Cdarence, [D. C.].....2518 17th St., N. W.
LL.B., 1913, Washington College of Law. *Topics*—Major,
Economics; Minors, Economics, Sciology.
- Reeve, Felicia Ann, [D. C.].....1626 19th St., N. W.
A.B., 1917, George Washington University. *Topics*—Major,
French; Minors, French, Spanish.
- †Schoenfeld, Margaret Hertha, [D. C.].....3448 34th Place.
A.B., 1918, George Washington University. *Topics*—Major,
Economics; Minors, Economics, Political Science.
- Scott, Dorothy Berkshire, [D. C.].....16 Fifth St., S. E.
A.B., 1915, University of Omaha. *Topics*—Major, Chemistry;
Minors, Chemistry, Bacteriology.
- Shinn, Erwin Henry, [Ark.].....1735 F St., N. W.
B.A., 1910, Arkansas University; B.S., 1916 Oklahoma A. &
M. *Topics*—Major, Education; Minors, Philosophy, Agri-
culture.
- Steger, Mary Evelyn, [D. C.].....1906 Florida Ave.
A.B., 1918, George Washington University. *Topics*—Major,
English; Minors, Education, Archaeology.
- Sullivan, Mary Ruth, [Va.].....127 3rd St., N. E.
A.B., 1913, Fredericksburg College. *Topics* Major, Philosophy;
Minors, Latin, Philosophy.
- *Van Schaick, (Mrs.) Nellie K., [N. Y.]....1862 Mintwood Place.
A.B., 1915, University of Michigan. *Topics*—Major, French;
Minors, Spanish, English.
- Ventress, Harriet.....2238 Decatur Place.
Topic—Economics.
- Warner, Harold Ellsworth, [D. C.].....914 Mass. Ave.
A.B., 1913, George Washington University. *Topics*—Major,
Education; Minor, Economics.
- Weber, (Mrs.) Angelia Washburn, [Colo.]...Battle Creek, Mich.
A.B., 1912, Colorado State Teachers College. *Topics*—Major,
Education; Minors, English, Education.
- Wheeler, Frances, [Kansas].....1445 Clifton St., N. W.
A.B., Washburn College, Topeka, Kans. *Topics*—Major, Eng-
lish; Minor, German.
- Willis, Warren Jennison, [Minn.].....Hydrographic Office.
Graduate, 1912, U. S. Naval Academy. *Topics*—Major, Phi-
losophy; Minors, Nautical Science, Chemistry.
- Wilson, Margery Evelyn, [Kans.].....1735 Lanier Place.
A.B., 1918, George Washington University. *Topics*—Major,
Political Science; Minors, History, English.
- *Winchester, Almira Munn, [Canada].....506 E. Wardman Ct.
B.S. in Ed., 1911, Columbia University. *Topics*—Major, Edu-
cation; Minors, Philosophy, History.
- Yang, Yung-Ching, [China].....Chinese Legation.
A.B., 1910, Soochow University. *Topics*—Major, Political
Science; Minors, Political Science, History.
- *Yeaton, Ernest E., [Maine].....909 13th St., N. W.
Ph.B., 1914, Brown University. *Topics*—Minors, Chemistry,
Economics.

MASTER OF SCIENCE

- *Burritt, Loren, [D. C.].....1855 Calvert St., N. W.
B.S., 1917, Md. State College. *Topics*—Major, Chemistry;
Minors, Bacteriology, Chemistry.
- *Domovsky, Aaron, [D. C.].....1335 11th St., N. W.
B.S., 1917, University of Minnesota. *Topics*—Major, Chemis-
try.
- Evans, Morgan William, [Ohio].....North Edgeville, Ohio.
B.S.A., 1906, Cornell University. *Topic*—Zoology.
- *Francis, Alfred West, [D. C.].....1436 W St., N. W.
B.S. in Chem., 1917, Worcester Polytechnic Institute. *Topics*
—Major, Chemistry; Minors, Chemistry, Botany.
- †Hazen, William, [N. Y.].....1320 L St., N. W.
S.B., 1913, College of the City of New York. *Topics*—Major,
Chemistry; Minors, Bacteriology, Chemistry.
- Hidnert, Peter, [N. Y.].....Bureau of Standards.
A.B., Feb. 1918, George Washington University. *Topics*—
Major, Physics; Minors, Chemistry.
- *Kryder, Lylah, [W. Va.].....927 11th St., N. E.
B.S., 1913, West Virginia Wesleyan College. *Topic*—Chemis-
try.
- Mann, Paul LeRoy, [Nebr.].....1739 P St., N. W.
B.S., 1918, Kansas State Agricultural College. *Topic*—
Chemistry.
- Min, Hsiao Wei, [China].....c/o Chinese Legation.
B.S., 1916, Peiyang Govt. University. *Topics*—Major, Me-
chanical Engineering; Minors, Civil Engineering, Geology.
- Pettyjohn, Otho Albert, [Okla.].....622 I St., N. W.
A.B., 1917, Oklahoma University. *Topic*—Chemistry.
- Salzer, George Washington, [N. Y.].....1626 17th St.
A.B., 1918, George Washington University. *Topics*—Major,
Geology; Minors, Applied Mathematics, Economics.
- Schaffer, Jacob Mordecai, [D. C.].....1440 R St., N. W.
B.S., in Chem., 1918, George Washington University. *Topics*
—Major, Biochemistry; Minors, Bacteriology, Preventive
Medicine.
- Steever, Laura Winfield, [D. C.].....2106 F St., N. W.
B.S., 1911, George Washington University. *Topics*—Major,
Preventive Medicine; Minors, Education, Sociology.
- Stewart, James Kidder, [Minn.].....707 Mt. Vernon Place.
A.B., 1915, University of Kansas. *Topics*—Major, Chemistry;
Minors, Chemistry, Mechanical Engineering.
- *Stewart, Lula, [Texas].....51 Quincy Pl., N. W.
B.S., 1917, College of Industrial Arts, Denton, Texas. *Topic*
—Chemistry.
- Wright, Helen Grahame, [D. C.].....477 M St., N. W.
B.A., 1916, Mt. Holyoke. *Topic*—Bacteriology.

DOCTOR OF PHILOSOPHY

- †Anderson, Myron Sallee, [D. C.].....1440 W St., N. W.
A.B., 1913, Simpson College; M.S., 1916, Iowa State College.
Topics—Major, Chemistry; Minors, Chemistry, Geology.

Barrows, Harry Percy [D. C.]

Oregon Agric. College, Corvallis, Ore.
B.S., 1911, Utah Agricultural College; M.S., 1917, George Washington University. *Topics*—Major, Education; Minors, Sociology, Economics.

Bevard, Katherine Harper, [Pa.].....The Gladstone, 1423 R St.
A.B., 1911; A.M., 1913, George Washington University. *Topics*
—Major, Education; Minors, Education, English.

Caviness, Leon Leslie, [Md.] 721 Carroll Ave., Takoma Park, Md.
A.B., 1906, University of Michigan; A.M., 1913, Nebraska University. *Topics*—Major, Semitics; Minor, Education.

Craighead, Frank Cooper, [Pa.].....Bureau of Entomology.
B.S., 1912, Penn. State College; M.S., 1915, George Washington University. *Topics*—Major, Zoology; Minors, Zoology, Botany and Palaeontology.

Donk, Peter John, [D. C.].....1706 F St., N. W.
B.S. in Chem., 1917, George Washington University. *Topics*—Major, Bacteriology; Minors, Bacteriology, Chemistry.

Ellison, Everett Monroe, [Tenn.].....The Toronto.
A.B., 1901, A. M., 1903, Grant University; M.D., 1912, George Washington University. *Topics*—Major, Physiology, Minors, Pharmacology, Psychiatry.

Elvove, Elias, [D. C.].....1228 H St., N. E.
S.B., 1903; S.M., 1904, University of Kentucky; Phar.D., 1910, George Washington University. *Topics*—Major, Chemistry; Minors, Pharmacology, Physiology.

†Fusfeld, Irving Sidney, [N. Y.]

Gallaudet College, Kendall Green.
B.S., 1915, Columbia University; B.Ped., 1916, Gallaudet College; M.A., 1917, Columbia University. *Topics*—Major, Education; Minors, History, Economics.

Garber, John Absalom, [Va.].....508 B St., S. E.
A.B., 1891, Bridgewater College; A.M., 1915, George Washington University. *Topics*—Major, Education; Minors, Sociology, Philosophy.

Garby, Carl D., [Idaho].....Bureau of Chemistry.
S.B. in Chem. Eng., 1914, University of Idaho. *Topics*—Major, Chemistry; Minors, Physics, Geology.

Grant, Dudley Hopkins, [Ohio].....1332 P St., N. W.
S.B., 1914, University of Chicago; M.S., 1917, George Washington University. *Topics*—Major, Chemistry; Minors, Preventive Medicine, Geology.

*Hanna, G. Dallas, [Kansas].....Bureau of Fisheries.
A.B., 1910, A.M., 1913, University of Kansas. *Topics*—Major, Zoology; Minors, Zoology, Botany. (Degree of Ph.D. conferred February 22, 1919).

†Henry, Jerry Maurice, [Va.].....337 N. C. Ave., S. E.
A.B., 1909, Bridgewater College; M.A., Feb., 1919, George Washington University. *Topics*—Major, Education; Minors, Economics, History.

Hobbs, Ewart William, [Iowa].....2111 18th St.
LL.M., 1910, National University Law School; A.B., 1916, A. M., 1917, George Washington University. *Topics*—Major, Philosophy; Minors, Philosophy, English.

- Howison, Marion Love, [Va.].....5102 14th St., N. W.
A.B., 1912, Randolph-Macon College. *Topics*—Major, Economics; Minors, History, Political Science.
- John, Otto Marion, [Ill.]..719 Carroll Ave., Takoma Park, D. C.
A.B., 1908, Union College; S.M., 1917, George Washington University. *Topics*—Major, Chemistry; Minors, Zoology, Bacteriology.
- Johnson, William Henry, [Ill.].....2817 38th St., N. W.
B.S., 1916; M.A., 1917, Northwestern University. *Topics*—Major, Education; Minors, Education, Psychology.
- Julihn, Carl Edward, [Cal.].....Bureau of Mines.
E.M., 1904, Columbia University. *Topics*—Major, Geology; Minors, Mineralogy, Economics.
- Kayser, Elmer Louis, [D. C.].....3129 O St., N. W.
A.B., 1917, A.M., 1918, George Washington University. *Topic*—History.
- McArthur, Louis Eugene, [Utah].....2112 F St., N. W.
B.Ped., 1897, Brigham Young University; A.B., 1916, A.M., 1917, George Washington University. *Topics*—Major, Political Science; Minors, History, Economics.
- Magnuson, Harry Peter, [Nebr.].....1518 R St., N. W.
B.S. in Agric., 1916, University of Nebraska. *Topic*—Chemistry.
- Merz, Albert Ronald, [Va.].....1867 Monroe St., N. W.
B.S. in Chem., 1909, M.S., in Chem., 1911, University of Virginia. *Topics*—Major, Chemistry; Minors, Applied Mathematics, Bacteriology.
- Phillips, Frank McGinley, [Iowa].....223 E St., N. E.
A.B., 1908, Iowa State Teachers College; A.M., 1915, Iowa State University. *Topics*—Major, Education; Minors, Psychology, Education.
- Pierce, Roy Gifford, [Nebr.].....6813 5th St., N. W.
A.B., 1907, S.B., 1907, University of Nebraska; A.M., 1916, George Washington University. *Topics*—Major, Botany, Minors, Botany, Zoology.
- †Raine, Wendell Phillips, [D. C.].....1731 S St., N. W.
B.S. in E., 1907, M. A., 1911, University of Pennsylvania. *Topics*—Major, Commerce; Minors, Political Science, Sociology.
- †Roe, Joseph Hiram, [Va.].....2823 14th St., N. W.
A.B., 1916, Roanoke College; A.M., 1917, Princeton University. *Topic*—Chemistry.
- Salisbury, Elon Galusha, [D. C.].....Takoma Park, D. C.
B.S., 1911, Union College, Nebraska; A.M., 1917, George Washington University. *Topics*—Major, Education; Minors, Philosophy, Sociology.
- Schmitt, Waldo Lasalle, [D. C.].....2233 18th St., N. W.
B.S., 1913, George Washington University; M.A., 1916, University of California. *Topics*—Major, Zoology; Minors, Zoology, Palaeontology.
- Schwartz, Benjamin, [D. C.].....1440 Meridian Place, N. W.
B.A., 1911, College of the City of New York; M.A., 1913, Columbia University. *Topics*—Major, Zoology; Minors, Bacteriology, Biochemistry.

- Smith, Edward Elmer, [D. C.].....332 Seaton Place, N. E.
B.S. in Ch. E., 1914, University of Idaho; M.S., 1916, George
Washington University. *Topics*—Major, Chemistry; Minors,
Preventive Medicine, Geology.
- †Snyder, Thomas Elliott, [D. C.].....1430 V St., N. W.
B.A., 1907, Columbia University; M.F., 1909, Yale University.
Topics—Major, Zoology; Minors, Zoology, Palaeontology.
- Sorenson, Christian Martin, [Md.]
Flower Ave., Takoma Park, D. C.
A.B., 1917, Washington Missionary College; A.M., 1918,
George Washington University. *Topics*—Major, Education;
Minors, Philosophy, History.
- Swett, Otis Dow, [Md.].....1335 H St., N. W.
LL.B., 1891, LL.M., 1892, B.S., 1904 Columbian University;
M.S., 1909, George Washington University. *Topics*—Major,
Chemistry; Minors, History, Bacteriology.
- Wetmore, Frank Alexander, [D. C.].....1495 Newton St., N. W.
A.B., 1912, University of Kansas; M.S., 1916, George Wash-
ington University. *Topics*—Major, Zoology; Minors, Zo-
ology, Palaeontology.

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS.

- *Abbuhl, Agnes, (29), [N. Y.].....132 R St., N. E.
- Adams, James M. R., (69), [D. C.].....905 8th St.
- †Adams, Leslie Harold, (67), [D. C.]....1637 Harvard Terrace.
- †Aldridge, Charley C., Jr., (6), [Texas].....1333 15th St.
- Alexander, Mabel C., (0), [Wash.].....2106 F St.
- Allen, Ruth Frances, (30), [D. C.].....1460 Monroe St.
- Aman, John Andrew, (70), [Md.].....Mt. Rainier, Md.
- *Amy, Marie Francis, (0), [Kans.].....53 N St.
- Anderson, Edith A. (0), [Ill.].....P. O. Box 1156.
- Anderson, Robert N., (27), [D. C.].....60 Randolph Pl.
- †Arledge, Caroline M., (66), [D. C.].....2628 Garfield St.
- Arnell, Harriet L., (27), [D. C.].....78 U St.
- *†Arneman, Viola S., (0), [Ill.]
Bliss Electrical School, Takoma Park, D. C.
- Arnold, Rosemary, (30), [D. C.].....24 2nd St., N. E.
- Aubrey, Clara May, (0), [N. Y.].....1477 Meridian Pl.
- Auman, Winifred M., (0), [Ill.].....2815 Brentwood Rd.
- Ayres, Kathryn, (0), [D. C.].....3028 Newark St.
- Ayres, Maragaret, (0), [D. C.].....3028 Newark St.
- Bache, Louise, (104), [D. C.].....2501 14th St.
- †Baker, Golda V., (0), [Nebr.].....905 L St., N. E.
- Baker, Susie Vaughan, (36), [Va.].....49 Bryant St.
- Ball, Alice M., (0), [D. C.].....3016 Dumbarton Ave.
- *Barber, Frank B., (68), [Tenn.].....2107 K St.
- †Barr, E. Osman, (68), [D. C.].....510 A St., N. E.
- *Barr, Martin Richard, (60), [D. C.].....28 Seaton Pl.
- *Bartlett, Barbara Elizabeth, (6), [D. C.].....1929 Lawrence St.
- Beck, Margaret Mae, (0), [D. C.].....108 3rd St., N. E.
- †Beckett, Edgar Wells, (4), [W. Va.].....710 Quincy St.
- *Behrend, Henrietta, (18), [D. C.]....Anacostia Station, R. F. D.

Bell, Josephine, (34), [Texas].....	1012 13th St.
Benfer, Rachel Lucile, (85), [D. C.].....	2009 17th St., N. E.
Benham, Edward V., (4), [D. C.].....	U. S. Patent Office.
Bennett, Ava L., (15), [Ohio].....	814 22nd St.
*Bennett, Katherine Elizabeth, (0), [Ky.].....	2310 20th St.
Bennett, Ruth Hilton, (104), [D. C.].....	3420 Mt. Pleasant St.
Bennetts, Mildred, (52), [D. C.].....	1941 1st St.
Berg, Anna Elsa, (21), [Ill.].....	Riggs & 17th Sts.
*Berry, Eloise G., (0), [Md.].....	830 12th St.
Berryman, Florence Seville, (0), [D. C.].....	1754 Euclid St.
†Beular, Melbourne Ernest, (6), [Texas]	1811 24th St.
*Bishop, Emmeline Frazier, (0), [D. C.].....	3720 Nichols Ave.
†Blanken, David, (9), [D. C.].....	1408 6th St.
*Boucher, Pauline E., (0), [Utah].....	East Wardman Courts.
†Bowen, George F., (34), [Kans.].....	1829 19th St.
*†Bowen, William A., (0), [N. Y.].....	1917 K St.
Boyd, Sue Hunt, (0), [N. C.].....	2006 G St.
†Boynton, Marcia, (0), [D. C.].....	328 13th St., N. E.
Bradley, Mary M., (19), [Va.].....	2311 Ontario Road.
Brasell, Mary Louise, (60), [Miss.].....	317 E. Capitol St.
Brazerol, Catherine Beatrice, (0), [D. C.].....	1233 11th St.
Breuninger, Miriam Robin, (0), [D. C.].....	5700 16th St.
†Bristow, Margaret, (24), [D. C.].....	3108 18th St.
*Brock, Dorothy Fenelon, (0), [D. C.].....	900 F St.
*Brown, Cecil Mathews, (81), [Texas].....	112 C St., N. E.
Brown, Desire, (0), [Tenn.].....	1307 P St.
Brown, Erma, (40), [Mo.].....	Cavendish Apts.
Brown, Estella E., (24), [Md.].....	3475 14th St.
Brown, Wager S., (92), [D. C.].....	5301 Connecticut Ave.
Bruno, Emilie M., (12), [D. C.].....	1468 Monroe St.
Bryan, Carolyn Noemie, (0), [Ala.].....	1906 Florida Ave.
Bryant, Beatrice Stelle, (39), [D. C.].....	322 E Capitol St.
Buchman, Eve Rebecca, (23), [Iowa]....	1402 Pennsylvania Ave.
Buck, Mildred Jean, (0), [Mich.].....	1705 2nd St., N. E.
†Buckingham, Ethel R., (0), [Penna.].....	2570 University Pl.
*†Buker, Kenneth C., (0), [Vt.].....	1225 Euclid St.
*Burg, Edward Alexander, (0), [Calif.].....	1810 Calvert St.
†Cahill, Victor, (0), [D. C.].....	2319 Wyoming Ave.
Callahan, Dolly M., (84), [Va.]....	209 Duke St., Alexandria, Va.
Callahan, Mildred R., (84), [Va.].....	213 S. Fairfax St., Alexandria, Va.
Callender, Bessie, (0), [Kans.].....	1627 Lawrence St.
Carle, Herbert M., (10), [Ohio].....	2224 F St.
Carnahan, Lina Wright, (107), [Mo.]	3606 13th St.
Carr, Elma Bebee, (79), [D. C.].....	Department of Labor.
Carter, Hester L., (18), [D. C.].....	27 Quincy Pl.
†Cates, Ronald Edward, (0), [Iowa]....	501 Maryland Ave., S. W.
*Cave, Dorothea Virginia, (27), [D. C.].....	1110 Virginia Ave., S. W.
Chace, Marjorie, (0), [D. C.].....	5300 Belt Road, Chevy Chase.
*Chace, Marjorie Whiting, (44), [Mass.].....	3913 Ingomar St.
Charest, Anna M., (36), [Mich.].....	802 21st St.
†Cheyney, William James, (42), [Va.].....	Rosslyn, Va.
†Christian, John Farrar, (0), [Ohio].....	1348 Euclid St.
*Chu, King, (143), [China].....	730 22nd St.
Church, Earle R., (6), [D. C.].....	Silver Spring, Md.
*Clark, Louise, (0), [D. C.].....	3100 16th St.

- *Clark, Olive May, (0), [Va.].....907 I St.
 Clarke, Beverly Leonidas, (26), [D. C.].....2127 G St.
 Claxton, Anne Elizabeth, (27), [D. C.].....1717 Lamont St.
 Cochran, Doris Mable, (54), [D. C.].....2027 1st St.
 *Colbert, Alice, (0), [D. C.].....808 22nd St.
 *Collins, Margaret H., (0), [Tex.].....3654 Park Pl.
 Cooperman, Hattie, (58), [Iowa].....2510 M St.
 Cotton, Cornelia Marie, (34), [D. C.].....3242 38th St.
 Cottrell, Caspar Lehman, (36), [Penna.].....2140 G St.
 Coughlin, Elva E., (46), [D. C.].....3646 Warder St.
 Cowles, Percy T., (96), [D. C.].....2811 11th St.
 *Cox, Carrie Majors, (60), [D. C.]
 606 Butternut St., Takoma Park, D. C.
 *Crain, Dorothy, (0), [Ill.].....127 Tennessee Ave., N. E.
 *Crain, Helen Newcomb, (32), [D. C.]..127 Tennessee Ave., N. E.
 †Crews, Floyd H., (22), [Texas].....109 5th St., N. E.
 *Crissman, Philip A., (48), [Iowa].....727 20th St.
 Cromer, Kenneth, (0), [Va.].....1218 11th St.
 Cutts, Laura Louise, (56), [Wash.].....144 12th St., N. E.
 Daniel, Julia Irene, (39), [D. C.].....512 Randolph St.
 Daniels, Ruby A., (34), [D. C.]
 16 Carroll Ave., Takoma Park, D. C.
 Davis, Helen Caroline, (0), [Penna.].....1104 M St.
 Dean, Waiva, (26), [Oregon].....1406 Harvard St.
 *Deetz, Thelma C., (0), [Ohio].....1425 21st St.
 †DeFriesse, Oscar Nathaniel, (20), [Tenn.].....1760 K St.
 *deHaas, Hazel, (64), [D. C.].....1740 S St.
 Dehler, Alma Paralee, (0), [Mo.].....1712 Euclid St.
 Deitz, Ernest E., (101), [W. Va.].....1907 G St.
 Dement, Charles W., (0), [D. C.].....211 A St., S. E.
 Denison, Abraham Robert, (0), [D. C.].....2600 K St.
 Densmore, Ethel May, (36), [N. Y.].....618 I St.
 Dickey, Frederick Morse, (48), [Penna.].....511 13th St.
 *Diefenbach, Carl M., (88), [Md.]
 407 Raymond St., Chevy Chase, Md.
 Dix, Orilee E., (18), [D. C.].....3328 O St.
 *†Dixon, Elizabeth, (0), [Ill.].....1712 Euclid St.
 Doke, Lula C., (0), [D. C.].....1650 Fuller St.
 Donahue, Dorothy, (110), [Vt.].....409 9th St., N. E.
 Duckett, Margaret B. H., (0), [D. C.]...1664 Columbia Road.
 *†Dzung, Nyii Sung, (0), [China].....Chinese Legation.
 Earnest, Elizabeth, (0), [D. C.].....2123 N St.
 †Earnest, John Paul, (70), [D. C.].....2123 N St.
 *Earnshaw, Eleanor, (56), [D. C.].....224 8th St., S. E.
 †Earnshaw, Samuel, (0), [D. C.].....224 8th St., S. E.
 *Eastman, May B., (0), [N. Y.].....931 L St.
 †Eckert, Esther Agnes, (0), [D. C.].....3042 Newark St.
 Edelstein, Benedict M., (37), [Penna.].....1438 F St., N. E.
 Einstein, May Blanche, (65), [D. C.].....619 19th St.
 *Elder, Helena Duffield, (0), [D. C.].....1713 2nd St., N. E.
 †Eldridge, Frank R., Jr., (12), [D. C.].....L and 20th Sts.
 Ellerson, Edmund Murdaugh, (0), [D. C.].....2134 R St.
 Elliott, Edith L., (0), [D. C.].....1006 B St., N. E.
 Elmquist, Jean Gemmel, (36), [D. C.].....1719 35th St.
 *Enyart, Alta Marie, (18), [D. C.].....2120 G St.

*†Esher, J. Robert, (0), [D. C.].....	263 N St.
Etchison, Page McK., (0), [D. C.].....	1416 R St.
*Fairfield, Myra O., (0), [Md.].....	1160 Euclid St.
†Farnham, Lillian Parker, (0), [Me.].....	Chevy Chase, Md.
†Finch, Ruy H., (79), [Ohio].....	Weather Bureau.
*Foley, Florence Elizabeth, (0), [Mich.].....	923 8th St.
Ford, Julia Louise, (0), [D. C.].....	328 11th St., N. E.
Fowler, Alice Virginia, (0), [D. C.].....	1346 Irving St.
*Fowler, Vivienne T., (0), [Ind.].....	912 Massachusetts Ave.
Frost, Beulah Malvina, (0), [Minn.].....	1725 T St.
*Garges, Isabel Anne, (0), [D. C.].....	1834 Calvert St.
*Garrett, Anna Marie, (0), [Penna.].....	308 S. C. Ave., S. E.
Gassman, Janet Josephine, (24), [D. C.].....	1845 Ontario Pl.
*George, Dorothy Adele, (28), [Iowa]....	901 Virginia Ave., S. W.
Geschickter, Charles, (40), [D. C.].....	1222 Connecticut Ave.
Gill, Minna, (62), [Md.].....	1723 G St.
Glassbrook, Grant E., (9), [N. Y.].....	2004 G St.
Godfrey, Clarence Mortimer, (56), [D. C.]..	914 14th St., S. E.
*Goldberg, Sadye, (0), [D. C.].....	1253 11th St., S. E.
*†Gower, Elza, (11), [Ohio].....	642 O St.
Gray, Edith May, (6), [D. C.].....	207 3rd St., N. E.
Gregg, Alexander White, (61), [Texas].....	The Cairo.
Gryder, Sarah M., (60), [Miss.].....	306 A St., S. E.
Hadden, Helen Frances, (0), [Md.].....	17 Grafton St., Chevy Chase, Md.
†Hagan, Jonathan Foster, (0), [Va.].....	Ballston, Va.
*Hale, Susan Evarts, (7), [D. C.].....	3609 Norton Pl.
†Hammack, Dwight Russell, (0), [Va.].....	800 L St.
Hancock, Mary Lillian, (0), [Ill.].....	1229 15th St.
†Hanna, Anita Belle, (70), [Ind.].....	111 15th St., S. E.
†Hanson, Edward J., (30), [N. C.].....	1333 15th St.
Hardendorf, Anna Mary, (0), [Ind.].....	1449 N St.
Hardin, Olive, (0), [Ark.].....	920 19th St.
*Harlan, Besse B., (0), [Kans.].....	124 B St., N. E.
*Harrison, Agnes Lavinia, (45), [Colo.].....	114 3rd St., N. E.
Harrison, Lewis Irving, (98), [Conn.].....	Alabama Apts.
Harvey, Rosamond Frances, (73), [D. C.].....	2007 F St.
*Harvey, Sarah Virginia, (0), [D. C.].....	100 Seaton Pl.
*Harvey, William McKenzie, (0), [D. C.]....	Kenilworth, D. C.
Hastings, George S., (34), [D. C.].....	3600 Ordway St.
*Hastings, Gertrude, (21), [D. C.].....	905 B St., N. E.
Hauke, Rilla M., (100), [D. C.]..	605 Massachusetts Ave., N. E.
Hayden, Louise, (0), [D. C.].....	The Mendota.
Hayden, Mary Ernestine, (27), [D. C.].....	706 8th St.
Hayes, Arthur Walker, (10), [D. C.].....	3558 16th St.
Heitmuller, Elizabeth Roeder, (97), [D. C.].....	1307 14th St.
*Henderson, Alvin Luther, (6), [Tenn.].....	1511 13th St.
†Henshall, Lawrence Decker, (0), [Penna.].....	1333 15th St.
*Herbert, Thomas Francis, (0), [N. Y.].....	1338 Irving St.
Herbst, Mildred Louise, (9), [D. C.].....	1032 25th St.
*Herr, George S., (0), [Penna.].....	2564 University Pl.
*Hess, Russell W., (54), [Md.].....	Brentwood, Md.
Hildreth, Barbara, (0), [D. C.].....	1664 Columbia Road.
*Hinman, Nita, (0), [D. C.].....	766 Quebec Pl.
Hobbs, Pauline Bowen, (39), [D. C.].....	The Beacon.

Hogg, Sara, (76), [Ga.]	1401 Columbia Road.
Horwitz, Alec, (38), [D. C.]	916 4½ St.
Hosford, Helen R., (26), [Iowa]	606 Quincy St.
*Hsie, Chang hsi, (91), [China]	2023 Kalorama Road.
†Hudson, Frances M., (0), [Mo.]	203 S St., N. E.
†Huff, Alma, (12), [Va.]	1315 20th St.
Huff, Charles R., (42), [Minn.]	1736 G St.
*Hurley, Beatrice Elizabeth, (0), [D. C.]	1615 S St.
*Hyde Herbert K., (0), [Okla.]	1333 15th St.
Jameson, Ruth Merrick, (0), [D. C.]	209 13th St., N. E.
Jenkins, William Alexander, Jr., (0), [D. C.]	71 L St., N. E.
*Jester, Margaret, (0), [D. C.]	101 6th St., N. E.
Johnson, Ethel May, (30), [Penna.]	1207 Emerson St.
*Johnson, Genevieve Seaver, (0), [Penna.]	705 Shepherd St.
Johnston, Kenneth A., (0), [D. C.]	The Kenyon.
Johnstone, Winona Wade, (0), [Miss.]	445 11th St., N. E.
Jones, Evelyn Wellington, (27), [D. C.]	3719 Keokuk St.
Jones, Francis Marion, (0), [D. C.]	The Kenyon.
Jones, Minnie, (0), [D. C.]	132 D St., S. E.
†Judge, Anastasia G., (0), [D. C.]	116 V St., N. E.
Justiss, Thomas Shelby, (0), [D. C.]	1743 Kilbourn Pl.
*Kalupy, Harry Harold, (60), [La.]	2020 G St.
Kaplovitz, Rebecca, (32), [N. J.]	1336 Newton St., N. E.
Keener, U. Grant, (0), [Okla.]	1316 L St.
Keiser, Clarence Cyrus, (0), [D. C.]	Chevy Chase Branch.
Kelisky, Bessie Bender, (0), [Va.]	1017 I St.
*Keller, Pearl W., (0), [Penna.]	3748 McKinley St.
*King, Margaret, (0), [D. C.]	1841 Kilbourne Pl.
†Kingsbury, Dorothy E., (0), [Mich.]	17 Adams St.
†Kirby, Homer H., (55), [Ohio]	721 19th St.
*Kling, Bernice Carl, (0), [Texas]	318 Maryland Ave., N. E.
Knights, Alice Fern, (64), [Minn.]	3022 Macomb St.
*Kurtz, Helen M., (0), [D. C.]	1306 Shepherd St.
LaFollette, Robert Chester, (24), [Wash.]	3220 16th St.
*Laibl, Joseph Anton, (0), [Ill.]	727 20th St.
Langellotti, Frank, (94), [N. Y.]	2114 H St.
*Langley, Lena Mildred, (0), [Miss.]	445 Irving St.
Laue, Mamie, (0), [Ill.]	1229 15th St.
Laughlin, Grace W., (0), [Mich.]	525 13th St.
*Lawing, Della, (0), [Tenn.]	301 C St.
*Lawrence, William F., (97), [Maine]	War Department.
Lazaro, Elaine, (114), [La.]	Falkstone Courts.
Lazaro, Heloise, (39), [La.]	Falkstone Courts.
Lee, Agnes Irene, (30), [D. C.]	327 10th St., N. E.
Lemar, Verlin Mary, (0), [D. C.]	1007 13th St.
Lester, M. Mary, (62), [Va.]	2326 L St.
Life, Harold G., (0), [Ind.]	Hotel Logan.
Lima, Ida Mary Margaret, (0), [Mass.]	807 Varnum St.
Lindow, Oscar H., (77), [Wis.]	513 22nd St.
†Littell, Nelson, (81), [Ind.]	1830 Kenyon St.
Littlehales, George Reber, (0), [D. C.]	2132 LeRoy Pl.
Lloyd, Leonila Marie, (98), [D. C.]	Manor House.
*Logan, Illene Gladys, (0), [Ohio]	1223 15th St.
Long, Catherine Davenport, (62), [Wis.]	The Ontario.
Lord, Barbara Perry, (3), [Conn.]	The Ontario.

Louis, Max C., (34), [D. C.].....	47 Quincy Pl., N. E.
†Lynch, Edward B., (0), [S. Dak.].....	Y. M. C. A.
Lyon, Quinter Marcellus, (42), [D. C.].....	636 S. C. Ave., S. E.
*McCann, Margaret Augusta, (0), [D. C.].....	1424 R St.
*McCollom, Yolande L., (0), [Kansas].....	628 D St., N. E.
†McConkey, Mont, (86), [Minn.].....	424 Kenyon St.
McConnell, Mary Gladys, (12), [Texas].....	117 C St., N. E.
†McCoy, William F., (69), [Md.].....	Bel Alton, Md.
*McDonald, Jane F., (0), [Mich.].....	1324 L St.
McGrew, Martha Steele, (70), [Tenn.].....	1363 Fairmont St.
McKendree, Laurette, (18), [D. C.].....	1300 Fairmont St.
McKenzie, Doris, (0), [D. C.].....	2118 F St.
McLanahan, Duer, (0), [D. C.].....	2031 Q St.
MacEwen, Thomas Taylor, (84), [D. C.].....	529 Irving St.
Mague, Roscoe Edwin, (13), [Mass.].....	Ethelhurst Apts.
Mankey, Helen Laura (0), [D. C.].....	2914 11th St.
†Markriter, Frank B., (0), [D. C.].....	1758 U St.
Marquis, Mary E., (0), [D. C.].....	329 1st St., N. E.
*Martin, Mary L., (0), [D. C.].....	57 T St., N. E.
†Martin, Nan, (67), [Iowa].....	1231 Irving St.
†Massey, Linton Reynolds, (0), [D. C.].....	1844 Kenyon St.
*Mattern, Bess, (0), [Ind.].....	The Albemarle.
*Mathews, Mary Pearce, (3), [D. C.].....	2120 P St.
Maul, Sarah Elizabeth, (32), [Md.].....	Hyattsville, Md.
May, Ruth Elizabeth, (0), [Md.].....	Berwyn, Md.
*Maynard, Nina Elizabeth, (0), [D. C.].....	1327 T St.
*Melick, Esther May, (0), [D. C.].....	2213 1st St.
*Melick, Olga, (0), [D. C.].....	2213 1st St.
Meloon, Ivy Carmen, (83), [Mass.].....	2421 N. Captiol St.
†Mentzer, Florence Eberly, (122), [Penna.].....	2023 G St.
†Merriman, Ervin Eugene, (40), [Ind.].....	400 M St. N. E.
*Metsker, Alfa Minona, (0), [Kans.].....	3814 5th St.
Metzeroth, Margaret, (30), [D. C.].....	119 12th St., S. E.
Metzerott, Gertrude, (59), [D. C.].....	The Northumberland.
Mikeska, Rosalee, (0), [Texas].....	1219 O St.
Miller, Walter LeRoy, (24), [Neb.].....	204 Penna. Ave., S. E.
*Mills, Bessie, (0), [D. C.].....	800 7th St.
Mills, Eddie Lance, (82), [Texas].....	2002 G St.
Miner, Helen, (67), [Ohio].....	1613 Irving St.
†Milton, Ethel Frances, (0), [Mo.].....	1811 Adams Mill Rd.
†Mitchell, William, (120), [D. C.].....	War Department.
Mondell, Dorothy, (12), [Wyoming].....	2110 O St.
*Moore, Almarie Briggs, (6), [Mo.].....	616 Longfellow St.
†Moore, L. L. Ardrey, (28), [D. C.].....	455 1st St., S. E.
Moore, Margaret M., (12), [Mo.].....	101 N. Carolina Ave., S. E.
Moore, Mildred J., (63), [D. C.].....	111 Tennessee Ave., N. E.
Moran, Catherine Regis, (83), [D. C.].....	1727 Columbia Rd.
†Morris, Charles S., (0), [Ohio].....	1220 Saratoga Ave., N. E.
Morrow, Clara Allen, (6), [D. C.].....	1858 Columbia Road.
†Mottern, Albert Joseph, (29), [D. C.].....	2517 Wisconsin Ave.
*†Moyser, Lottie M., (86), [Mo.].....	306 Rhode Island Ave., N. E.
Murray, Anna, (0), [D. C.].....	1324 A St., S. E.
†Nall, Arthur Ernest, (16), [Texas].....	1333 15th St.
†Naylor, Estill Ess, (46), [Mo.].....	414 6th St.
Naylor, Evelyn, (42), [D. C.].....	629 12th St., N. E.

Nelms, Henning Cunningham, (65), [D. C.]	1121 12th St.
Nelson, Agnes C., (55), [N. Dak.]	2524 17th St.
*Newton, Mary Elizabeth, (30), [Neb.]	2506 Cliffbourne Pl.
*Nurnberger, Helen May, (0), [N. Y.]	1118 Virginia Ave., S. W.
Overstreet, Walter, (39), [S. C.]	216 E. Capitol St.
Pabst, Helen Gertrude, (0), [D. C.]	3551 Holmead Place.
Padgett, Mildred, (75), [D. C.]	1726 Euclid St.
Parham, Julia A., (0), [Tex.]	1219 O St.
Parker, Charline, (29), [Colo.]	15 14th St., S. E.
Pazour, Marie, (0), [D. C.]	1413 N St.
*Pease, Cecil Agnes, (3), [N. Dak.]	3603 13th St.
Perkins, Hanson T., (51), [Md.]	Springfield, Md.
†Perlin, Harry, (64), [Conn.]	908 8th St.
Petrie, Edith Margaret, (0), [D. C.]	2814 6th St., N. E.
*Petrie, Mary Esther, (67), [D. C.]	2815 6th St., N. E.
Phillips, Shelby, (0), [D. C.]	720 Morton St.
Phoebus, Gladys Edith, (30), [D. C.]	1925 N. Capitol St.
Pitcher, Lois, (26), [D. C.]	3910 McKinley St.
Plumb, Kenneth William, (0), [D. C.]	St. Nicolas Apt.
Pollner, Nona B., (60), [D. C.]	3200 Park Pl.
Pope, Darwin Jesse, (53), [D. C.]	3214 Newark St.
Porter, Bessie J., (0), [D. C.]	636 F St., N. E.
Porton, Stanley Paul, (0), [D. C.]	1838 11th St.
*Pow, Mary (20), [Ohio]	1316 Kenyon St.
Powell, Mary Louise, (0), [D. C.]	628 6th St., N. E.
Preinkert, Margaret Marie, (53), [D. C.]	1511 L St.
Protas, Maurice, (34), [D. C.]	1314 13th St.
Quinn, David Long, (36), [Md.]	2015 G St.
Ranck, James Byrne, (54), [D. C.]	1405 15th St.
Ravenel, Henry, (97), [D. C.]	1611 Riggs Place.
Rechtman, Benjamin, (40), [N. Y.]	1531 8th St.
Reed, Mabel C., (0), [D. C.]	28 Seaton Place.
†Reed, Mary E., (0), [Mass.]	443 2nd St., S. E.
*Reed, Paul Clinton, (0), [La.]	912 E Capitol St.
Reese, William E., (0), [D. C.]	1826 M St.
Reeves, George Torreyson, (91), [Va.]	Ballston, Va.
*Reily, Rebecca, (0), [D. C.]	1406 15th St.
Reinboth, John Franklin, (18), [Ill.]	2128 H St.
Reitzel, Albert E., (79), [N. C.]	1311 L St.
Reynolds, Francis Core, (91), [D. C.]	3038 Dumbarton Ave.
Reynolds, Olive A., (54), [D. C.]	503 River Road, Chevy Chase.
Richards, Helen M., (0), [D. C.]	45 D St., S. E.
Robertson, Marie Christine, (0), [Md.]	5 Lenox Ave., Chevy Chase.
Rockow, Lewis, (99), [Wis.]	509 L St.
*Rodriquez, Teresa, (0), [R. I.]	1525 17th St.
*Rowe, Bertha Evageline, (0), [D. C.]	337 North Carolina Ave., S. E.
*Rowland, Mittie Elston, (12), [Tenn.]	1214 12th St.
Ryan, Edward Thomas, (0), [D. C.]	1805 G St.
Ryan, Inez Buffington, (104), [D. C.]	The Naples.
*Sager, Bert Elmer, (25), [Md.]	Mt. Rainier, Md.
Sanborn, Rebekah, (79), [D. C.]	1000 Douglas St., N. E.
Sanders, Anita, (0), [D. C.]	1515 Park Road.
Schaaf, Martha Elizabeth, (56), [D. C.]	1824 Monroe St.

*Schafer, Elizabeth Emmeline, (0), [Pa.]	1414 Massachusetts Ave.
*Schauweker, Mildred M. (123), [Ohio]	1873 California St.
*Schellfeffer, Frank, (96), [Ill.]	1914 Penna. Ave.
Scheufler, Edward Lipphardt, (0), [D. C.]	428½ M St.
*Schrack, Miriam M., (0), [D. C.]	1002 K St., N. E.
Schroers, Jack Douglass, (0), [D. C.]	1824 Belmont St.
*Schuberth, N. Louise, (0), [Va.]	Ballston, Va.
Scott, Charles Carlysle, (15), [Ill.]	1333 15th St.
Scott, Mary Emma, (53), [Va.]	49 Bryant St.
*Scott, Ralph S., (0), [Md.]	Hyattsville, Md.
Seaton, Dorothy McKinstry, (12), [Va.]	Glencarlyn, Va.
See, Ernest A., (25), [W. Va.]	109 E St.
*Sheriff, George Rothwell, (18), [D. C.]	1739 P St.
Shields, Viola, (0), [D. C.]	1750 M St.
Shippert, Martha M. (0), [Ill.]	4213 7th St.
Shreve, Adrienne Alba, (39), [D. C.]	1729 Kilbourne St.
*Siggers, Edythe Katherine, (0), [D. C.]	1907 N. Capitol St.
Sigman, Dorothy Miller, (0), [D. C.]	2600 Mozart Pl.
*Simester, Elsie, (0), [Kans.]	1601 Brentwood Rd., N. E.
Simmons, Rush Nelson, (17), [Minn.]	1415 Rhode Island Ave.
Simpson, J. Noble, (0), [D. C.]	1825 Kalorama Rd.
*Sloan, William M., (30), [Nebr.]	George Washington Inn.
*Smith, Audley L., (0), [Iowa]	3644 New Hampshire Ave.
Smith, Dewey Woods, (0), [Mo.]	1866 California Ave.
Smith, Helen Carroll, (0), [D. C.]	1209 B St., N. E.
*Smith, Helen Marie, (93), [Calif.]	1415 Montague St.
Smith, Lillian Martha, (0), [D. C.]	313 S St., N. E.
Smith, Margaret Gatchell, (0), [D. C.]	1209 B St., N. E.
*Smoot, Zella E., (0), [Utah]	2521 Connecticut Ave.
*Snyder, Martha Willey, (18), [D. C.]	2101 F St.
Spencer, Mary L., (0), [N. C.]	125 C St., S. E.
*Spilman, Madeline, (0), [D. C.]	1645 Hobart St.
*Spring, Alva F., (0), [Ill.]	1739 P St.
*Springman, Requia J. (0), [D. C.]	720 6th St., S. W.
Stephens, H. Clay, Jr., (108), [Tenn.]	24 Grant Place.
*Steven, Arthur E., (0), [Mo.]	2131 F St.
*Stimpson, Charlotte Gordon, (69), [D. C.]	2141 Wyoming Ave.
Stoker, Ruth Mae, (8), [Minn.]	1828 Park Road.
Stone, Annie Bet, (0), [Mo.]	1311 24th St.
Stone, Lucille E. J., (0), [D. C.]	12 Randolph Place.
*Stringham, Emerson, (30), [N. Y.]	1379 N. Carolina Ave.
*Strout, Maria Morse, (99), [Maine]	520 Park Road.
*Sturman, Mary Louise, (34), [N. Y.]	1350 Randolph St.
*Styer, Ralph A. (96), [Penna.]	1354 Monroe St.
*Sun, Tsuli, (113), [China]	2001 19th St.
*Swecker, Icie Lillian, (9), [D. C.]	907 I St.
Sweeney, Richard Hurley, (131), [Md.]	Hagerstown, Md.
*Symmonds, Katherine Godfrey, (27), [D. C.]	1812 Vernon St.
*Symons, Arthur, (0), [Mich.]	718 Park Rd.
*Tait, Beatrice Wilkins, (54), [D. C.]	Western Ave. & Ellicott St.
Taylor, Elizabeth Stuart, (0), [Penna.]	3023 Q St.
Taylor, Frances, (0), [Nebr.]	1423 Madison St.
Taylor, Raymond Marvin, (0), [D. C.]	222 3rd St.
*Taylor, Serena Fisher, (0), [D. C.]	Falkstone Courts.
*Tebbs, Eloise M., (0), [D. C.]	1131 E St., N. E.

†Terry, Dorothy Wright (0), [D. C.].....	4901 Wisconsin Ave.
*Trask, Emily L., (0), [N. Y.].....	2018 H St.
*Tripp, Helen Josephine, (6), [Mass.].....	2329 N St.
Trundle, May H., (45), [D. C.].....	1409 Webster St.
Tuckey, Margaret McDade, (27), [D. C.].....	40 T St.
*Turner, Marie A., (0), [D. C.].....	107 15th St., S. E.
†Underwood, Eugene, (94), [Ill.].....	707 20th St.
†Urwiller, Laurel, (0), [Fla.].....	913 S St.
Van Doren, Lurana, (0), [D. C.].....	723 8th St.
Van Ness, Ethel M., (0), [N. J.].....	913 22nd St.
Van Waters, Sherwood P., (94), [N. Y.].....	1338 Vermont Ave.
Vickers, Rose, (21), [Md.].....	Willard Courts.
Voorhees, Elizabeth Aston, (83), [D. C.].....	3456 Newark St.
*Voorhees, Mary Toucey, (33), [D. C.].....	3456 Newark St.
*Walker, John Graham, (16), [D. C.].....	1145 Connecticut Ave.
*Wallenfels, Hugo, (79), [D. C.].....	3545 13th St.
Wallick, Earle W., (108), [Ill.].....	2128 H St.
†Walsh, John Butler, (0), [D. C.].....	202 E. Capitol St.
†Walter, Arthur Henry, (0), [Ky.]....	118 Willow, Takoma Park.
†Walter, Francis E., (114), [Penna.].....	218 Indiana Ave.
*Walters, Sybil, (60), [Iowa].....	702 Quincy St.
†Ward, Mildred, (0) [Iowa].....	413 A St., S. E.
Waring, Martha Lucy, (39), [D. C.].....	616 Quebec Pl.
Watson, Lewis Randolph, (6), [Md.].....	Rockville, Md.
Watzman, Percy, (6), [D. C.].....	25 I St., N. E.
Webster, Belle, (0), [Minn.].....	4007 Garrison St.
Weihe, Ruth, (0), [D. C.].....	4000 Marlborough Pl.
*Wells, Ella Almetta, (55), [N. C.].....	1331 Fairmont St.
*Welter, Daisy, (0), [Wis.].....	429 Shepherd St.
†Whitaker, Lorenzo D., (27), [D. C.].....	937 14th St., S. E.
*White, Edward C., (46), [D. C.].....	Marine Barracks.
White, Helen Margaret, (71), [D. C.].....	1002 Nichols Ave.
White, Milo R., (79), [Ind.].....	437 Luray Place.
Whitford, Margaret, (61), [D. C.].....	3369 18th St.
Whyte, Eunice, (70), [D. C.].....	935 M St.
†Wiley, Virgil Brooks, (27), [D. C.]..	312 S. Carolina Ave., S. E.
*Wilkins, Joan B., (9), [D. C.].....	1743 U St.
*Williams, Bertha M., (7), [D. C.].....	928 New York Ave.
†Wilson, David Dill, (0), [D. C.].....	1735 Lanier Place.
Winborn, Edith, (0), [Miss.].....	913 L St.
†Wimmer, Joseph Cope, (62), [Penna.].....	160 Bryant St.
†Winters, Czar Smith, (0), [Utah].....	1224 13th St.
†Wisehart, Malcolm Boyd, (10), [Ill.].....	Y. M. C. A.
Wolf, Ethel, (108), [D. C.].....	626 22nd St.
*Wood, John H., (0), [Ill.].....	1011 Monroe St.
†Woods, Harry Elewell, (0), [D. C.].....	705 Quincy St.
Worthington, Gladys, (0), [Ala.].....	19 W St.
*Wu, Bing Sang, (44), [China].....	2023 Kalorama Road.
Yohe, Ethel Craigen, (63), [D. C.].....	1758 S St.
Zenor, Helen Skelton, (60) [Iowa].....	1841 Wyoming Ave.
*†Zobel Carl G. F., (34), [D. C.]..	701 Rock Creek Church Road.
Zucker, Joseph, (16), [N. Y.].....	412 11th St., N. E.

BACHELOR OF SCIENCE IN MEDICINE

Ballinger, William McCormack, (40), [D. C.]....1489 Newton St.
 Bosworth, Robert Joseph, (0), [D. C.].....523 5th St., N. E.
 Cajigas, Tomas, (98), [Porto Rico].....1325 H St.
 M.D., 1918, George Washington University.

*Corey, Wilbur L. (0), [N. Y.].....1335 H St.
 †Cunningham, Frederick B., (0), [Penna.].....Vienna, Va.
 Harnsberger, Charles W. (34), [Va.].....Cherrydale, Va.
 Hoffman, Herman S., (0), [Md.].....Brentwood, Md.
 Johnson, Regena Cook, (6), [Md.].....1420 N St.
 Kibler, Kirby, (0), [Va.].....226 3rd St.
 Lyons, John Hugh, (89), [D. C.].....Emergency Hospital.

M.D., 1918, George Washington University.
 McChesney, Frank M., (57), [D. C.].....129 Randolph Place.
 *Macpherson, Elwood Hall, (0), [N. J.].....530 3rd St.
 Martinez, Mercedes, (37), [Porto Rico].....4572 Georgia Ave.
 Ottenberg, Gilbert, (0), [D. C.].....1243 7th St.
 Rosenblatt, Louis, (0), [D. C.].....210 Rhode Island Ave.
 †Schwartz, Abraham Theodore, (31), [D. C.]

U. S. Naval Hospital.
 *Schwartz, Paul, (26), [D. C.].....453 Massachusetts Ave.
 Stuart, Marjorie Shaw, (40), [D. C.].....1315 12th St.
 Swartwout, Edith Lilian, (39), [D. C.].....12 Iowa Circle.
 *Thompson, Thomas C., (0), [D. C.].....Emergency Hospital.
 *Williman, Frank Louis, (39), [N. J.].....The Wilson.

SPECIAL PRE-MEDICAL

†Beach, Mary J. (9), [Colo.].....1920 Belmont Road.
 †Bell, Stanley W., (10), [D. C.].....1325 1st St.
 *Berkman, Morris Hyman, (0), [D. C.].....901 F St., S. W.
 †Bleiker, Ross Franklin, (34), [Mo.].....1013 20th St.
 †Blumberg, Maurice D., (30), [D. C.].....2022 Portner Place
 Brown, Radford Talbott, (25), [D. C.].....The Ashley.
 Butler, Homer K., (0), [D. C.].....609 Kenyon St.
 Croggon, William Newton, (0), [D. C.].....636 E St., S. W.
 Deep, Anthony Abraham, (34), [D. C.].....500 K St.
 †Dubins, Julius, (0) [Mass.] 1329 H St., N. E.
 DuBose, William J., (0), [D. C.].....1850 Kalorama Road.
 Duffey, Hugh C., Jr., (0), [D. C.].....929 O St.
 Evans, Leland M., (0), [D. C.].....1224 13th St.
 *Fipp, August L., (0), [Ohio].....2226 Decatur Place.
 Graber, Harold W., (33), [Iowa].....708 9th St., S. E.
 *Grass, Edward Jacob, (0), [D. C.].....2024 I St.
 †Hammack, Paul Willard, (6), [Va.].....800 L St.
 †Haynes, William Preston, (37), [Ky.].....1333 15th St.
 Hodgkins, Bradley D., (41), [D. C.].....2006 N St.
 Hollis, Lawrence Coe, (0), [Va.].....1218 11th St.
 †Imus, Alden Elon, (38), [Mo.].....5502 7th St.
 Kershenbaum, Leo, (0), [D. C.].....805 F St., S. W.
 Locke, Howard Palmer, (30), [D. C.]....1016 Massachusetts Ave.
 *Lynch, Marcus F., (0), [D. C.].....128 E. Capitol St.
 *McCarthy, John L., (0), [D. C.].....702 F St.
 McClosky, William T., (30), [D. C.].....1432 U St.
 McKaughan, Flossie, (0), [N. C.].....The Woodworth.

McMullen, Vincent W., (0), [D. C.].....	237 14th St., S. E.
*†Maddox, William Gordon, (0), [Ky.]....	U. S. Naval Hospital.
†Moran, William Cornelius, (0), [Nebr.].....	1333 15th St.
†Moxness Bennie A., (0), [N. Dak.].....	700 20th St.
Philips, Bernhardt, (0), [D. C.].....	1233 7th St.
Pierce, Ralph Norwood, (0), [D. C.].....	1808 Kalorama Road.
Royer, Joseph Paul, (0), [D. C.].....	1500 20th St.
†Runkle, Evelyn C., (0), [Ohio]....	223 Rock Creek Church Road.
Russell, John Paul, (0), [D. C.].....	817 6th St.
Shannon, William A., (0), [D. C.].....	1528 9th St.
*Smith, Raymond Hurd, (0), [D. C.].....	4519 Iowa Ave.
*Sowder, Clarence S., (12), [Idaho]	1805 G St.
*Speakman, Edwin Grant, Jr., (0), [D. C.].....	213 10th St.
Stamates, Speridon S., (0), [D. C.].....	14 6th St., N. E.
Stein, Joseph, (0), [D. C.].....	525 6th St.
Stephens, David M., (6), [D. C.].....	6924 15th St.
Swindell, W. B., Jr., (2), [N. C.]....	719 N. Carolina Ave., S. E.
Usilton, Lida J., (0), [D. C.].....	2034 N. Carolina Ave.
*Warfield, Edgar Ashby, (32), [Va.]	218 S. Fairfax St., Alexandria, Va.
†Wilton, Ralph William, (23), [D. C.].....	1335 22nd St.

SPECIAL

Aaronson, Ruth, [D. C.].....	1106 Fairmont St.
*Abcock, Milburn Kendrick, [D. C.]	307 E. Captiol St.
Abel, Myrtle, [Ill.].....	1223 Vermont Ave.
*Adams, Etta S., [Vt.].....	3220 Warder St.
†Adams, Marie, [Va.].....	East Falls Church, Va.
*Adams, Mira Norton, [Mass.].....	1407 Delafield Place.
*Adams, Simon, [W. Va.].....	1207 20th St.
*Akers, Edna, [Ky.].....	2030 F St.
*Allen, Margaret, [D. C.].....	2032 N. Capitol St.
Allen, Wallace Brown, [Md.]....	Auditor's Bldg., 14th St., S. W.
†Allen, Walter Rudolph, [N. Y.].....	927 E St., N. E.
*Allison, Doris E., [Ill.].....	4007 Garrison St.
*Alseen, Clara H., [Minn.].....	1465 Meridian Place.
*Alseen, Myrtle F. C., [Minn.]	1465 Meridian Place.
†Altman, Josephine, [Ill.]	1802 Lamont St.
Alvey, Madeline Carroll, [D. C.].....	314 D St., N. E.
Anderson, Edith E., [Mont.].....	302 S St., N. E.
†Anderson, Emma Ruth, [D. C.].....	205 Linworth Pl., S. W.
†Anderson, Florence deNoyelles, [N. Y.].....	1730 18th St.
*Anderson, Hilda Irene, [Tenn.]	1024 Vermont Ave.
Anderson, Ruth Virginia, [D. C.].....	60 Randolph Place.
†Andrews, Alice, [Ohio].....	625 G St.
†Angus, J. T., [Mo.].....	1712 15th St.
*Appleby, Charline, [D. C.].....	513 8th St., N. E.
A.B., 1913, George Washington University.	
*Arnold, Esther M., [Va.].....	1824 Monroe St.
*Aronson, Marie, [Ill.].....	2829 11th St.
†Arrowsmith, Jean M., [Penna.].....	1916 F St.
Aten, Marian Frances, [D. C.].....	1432 Meridian St.
*†Auld, Marguerite, [Vt.].....	1356 Fairmont St.
*†Aydelotte, Aydel, [Calif.].....	825 15th St.
*Baker, Alida A., [Mass.].....	3147 17th St.

*Barber, Edna, [D. C.].....	3428 Brown St.
*Barbosa, James W., [W. Va.].....	Sibley Hospital.
*Barker, Anna E., [D. C.].....	55 U St.
Barker, Howard F., [Wis.].....	1744 P St.
Barnes, Charles M., [D. C.].....	1436 Meridian St.
Barnes, Medora E., [D. C.].....	1501 Hamilton St.
*Barnett, Bessie Ernestine, [Mass.]	3921 Livingston St.
*Barrow, Mary Gladys, [D. C.].....	1013½ I St., N. E.
†Barry, W. F., [Tenn.].....	1810 Calvert St.
Barton, Emily Oliver, [Md.].....	1213 K St.
Bassett, Samuel B., [D. C.].....	1428 Webster St.
*Bates, Aurela E., [Calif.].....	531 Shepherd St.
Bates, Faye Ellen, [Ill.].....	2120 G St.
†Baumunk, Ross S., [Ind.].....	1739 P St.
Beach, Jessie G., [Texas].....	717 21st St.
Beadle, Florence A., [Ohio].....	2821 27th St.
*Beede, Ivan, [Nebr.].....	1037 Evarts St., N. E.
A.B., 1918, University of Nebraska.	
Beidleman, Margaret D., [Penna.].....	1229 Connecticut Ave.
†Bell, Florence Colfax, [N. Y.].....	3149 Mt. Pleasant St.
†Bell, Virginia Lee, [Va.].....	1332 15th St.
*Bennett, Mary S., [Ky.].....	2310 20th St.
Bennot, Maude, [Ill.].....	1666 Park Road.
Berman, Esterre V., [D. C.].....	Council Inn.
†Best, S. Jane, [Wis.].....	2323 I St.
*Betts, Margaret Ethel, [D. C.].....	901 G St., N. E.
Bigelow, Jessie Nesbit, [D. C.]	The Farnsboro.
*†Bird, Josephine, [N. C.].....	922 M St.
*Biron, Mitchell, [D. C.].....	1218 9th St.
*Bitzer, Kathleen, [Va.].....	615 Prince St., Alexandria, Va.
*Black, Anna Elizabeth, [Ohio].....	3404 Prospect Ave.
*Black, Annie G., [D. C.].....	1216 Saratoga Ave., N. E.
†Blackburn, Vera Spriggs, [Ohio].....	Falkstone Courts.
Blanken, Benjamin, [D. C.].....	1408 6th St.
*Blose, Mark R., [Penna.].....	930 O St.
*†Boland, Fern E., [Ill.].....	2113 N St.
*Bolls, William Erwin, [Miss.].....	2522 Wisconsin Ave.
*Booy, Boukje, [Mo.].....	1104 M St.
*Borjes, Clara Louise, [D. C.].....	921 Virginia Ave., S. W.
*Bortz, Bessie M., [D. C.].....	1444 W St.
†Boughner, Yvonne Jean, [S. Dak.].....	1515 Massachusetts Ave.
†Borek, Lucie H., [Ohio].....	The Plaza.
Bordeaux Eugenia, [Miss.].....	517 E. Capitol St.
*†Bourne, Carol B., [D. C.].....	Stoneleigh Court.
†Bowen, Raymond J., [Ohio].....	Washington, D. C.
Bowen, Winifred, [Kans.].....	1445 Clifton St.
*Bowers, Ethel, [Ind.].....	2114 H St.
*†Bowers, Blanche, [N. Y.].....	2203 K St.
†Bowers, Julia Tinsly [Minn.]....	7200 Blair Road, Takoma Park.
*Bowman, Dick, [Va.]	1020 Fairmont St.
Bradley, Doris L., [Neb.].....	1410 M St.
*Bradley, Helen Mar, [Neb.].....	1410 M St.
†Bremer, Edward S., [D. C.].....	1750 Massachusetts Ave.
*Brockman, Josie A., [D. C.].....	1647 Lamont St.
†Brookens, P. F., [Md.].....	Hyattsville, Md.
*†Brown, Carl E., [D. C.].....	1739 P St.

Bruce, Clarence Smoot, [D. C.].....	2601 11th St.
Brunner, Lucille C., [Minn.].....	1121 8th St., N. E.
Buchanan, Ruth, [D. C.].....	3004 Albemarle St.
*Bucher, Marion Muir, [Penna.].....	1024 Vermont Ave.
*†Buelow, Laura V., [Wis.].....	1346 Fairmont St.
Burchfield Henrietta, [N. Y.].....	516 8th St., N. E.
Burdick, Bernard Franklin, [D. C.].....	24 Grant Place.
†Burger, Magdalen H., [Md.].....	1439 T St.
*Burnett, Merle, [Ill.].....	308 11th St., N. E.
Burns, Mary Keith, [D. C.].....	1718 13th St.
*Burrell, Naomi Leona, [D. C.].....	1740 S St.
Burton, William Cameron, [D. C.].....	424 8th St., N. E.
Bushong, L. D., [Va.].....	Powhatan Hotel.
Buskin, Violet G., [D. C.].....	1325 H St.
*Butts, Charles Shannon, [D. C.].....	1114 Staples, N. E.
*†Bynum, William Jennings, [D. C.].....	1122 13th St.
*Callahan, Margaret, [Ill.].....	2408 K St.
*†Callahan, Vincent Frances, [D. C.].....	1729 N. Capitol St.
*Callihan, Loyzelle J., [D. C.].....	1410 Euclid St.
A. B., 1917, George Washington University.	
Camp, Mame F., [N. C.].....	11 2nd St., N. E.
Camp, Zebulon C., [N. C.].....	11 2nd St., N. E.
Campbell, Jean Tompson, [D. C.].....	301 8th St., N. E.
*Campbell, Marian Emily, [Minn.].....	The Iowa.
*Campbell, Rosemary Rhode, [Ariz.].....	9 Iowa Circle.
Carlson, Vivian, [N. Y.].....	1929 Calvert St.
*Carter, Jennie Lillias, [Ohio].....	1106 L St.
†Castell, Lois, [Ind.].....	1010 8th St.
*Castle, Wanda R., [Texas].....	1312 Irving St.
*Cavey, Margaret, [Penna.].....	1717 Lamont St.
*Cawley, Anna A., [W. Va.].....	115 K St.
*Chamness, Ethelyn, [Ill.].....	1000 I St., N. E.
Chapman, Marion Louise, [D. C.].....	3924 Morrison St.
Cheshire, Hilah G., [Kansas].....	1615 Swann St.
*Chinn, Mabel C., [Ind.].....	7108 14th St.
†Chipley, Anna E., [D. C.].....	1603 Brentwood Rd., N. E.
*†Chipley, Ella A., [D. C.].....	1603 Brentwood Rd., N. E.
Clark, Mildred E., [N. Y.].....	1424 11th St.
*Clement, Lora E., [D. C.].....	120 Carroll Ave., Takoma Park, D. C.
Cole, Francis A., [D. C.].....	1315 N St.
Cole, Mary J., [Penna.].....	2115 P St.
Conrad, Lillian, [D. C.].....	1710 G St.
†Corbin, Lillian, [Ky.].....	825 15th St.
Corey, Carlotta Naylor, [D. C.].....	1401 Columbia Road.
*Cork, Helen Sari, [Kansas].....	463 P St.
*Cosby, Aldene E., [D. C.].....	1929 R St.
*Costley, Hoyland L., [Mo.].....	1028 17th St.
*Cotlow, Louis, [D. C.].....	1715 G St.
*Cotton, Belva L. R., [D. C.].....	325 5th St., S. E.
*Coulter, Archibald B., [D. C.].....	32 W St.
†Covington, Elizabeth, [Tenn.].....	617 Quebec Place.
*Cramer, Alma H., [D. C.].....	20 S St.
*Cramer, Iverna L., [D. C.].....	20 S St.
*Crider, Mary L., [Ohio].....	3321 Holmead Place.
*Cronmiller, Josephine, [Md.].....	Laurel, Md.
†Cullen, Sara L., [Va.].....	1220 D St., N. E.

*Cummings, Flossie B., [D. C.]	2512 Hall Place.
*Currie, William E., [Va.]	Clarendon, Va.
A.B., 1917, George Washington University.	
†Curtis, Vivian, [N. Y.]	303 12th St., S. E.
*Cusick, Florence A., [D. C.]	437 M St.
†Danforth, Louisa A., [D. C.]	1239 Talbert St., S. E.
†Danis, Raymond S., [R. I.]	30 9th St., S. E.
*Darby, M. Aloyse, [Calif.]	228 1st St., S. E.
*Datz, Charles Percival, [D. C.]	3909 Windom Place.
*Davenport, Sara J., [Mo.]	7 Iowa Circle.
Davidson, I. Newton, [Texas]	3926 N. Hampshire Ave.
*†Davidson, Lillian M., [D. C.]	503 8th St., S. W.
*Davies, Marian L., [Ill.]	1727 Corcoran St.
†Davis, Annie Laurie, [Ky.]	1351 Otis Place.
*Davis, Ora, [Texas]	811 Mt. Vernon Place.
*DeAgüero, Manuel A., [D. C.]	Department of Justice.
*†Deats, Lucy F., [Texas]	132 R St., N. E.
Dehler, Maree L., [Mo.]	1712 Euclid St.
*Decker, Cora E., [D. C.]	501 Northbrook Courts.
Deisher, Estelle E., [D. C.]	The Plymouth.
†DeFriese, Oscar Nathaniel, [Tenn.]	1760 K St.
*Delaney, Mary A., [Mich.]	1338 Newton St.
†Deming, George M., [Calif.]	3903 Grant Road.
†Demit, Louis M., [D. C.]	1239 L St., N. E.
*†Demoret, Ruby, [Colo.]	730 21st St.
*Dickey, Annette Neudecker, [Md.]	1433 Clifton St.
*†Disbro, Adelle May, [Texas]	19 W St.
Dodd, W. J., [D. C.]	4409 9th St.
*Dolan, Nellie, [Penna.]	146 U St., N. E.
*Donnelly, M. Veronica, [N. Y.]	204 11th St., N. E.
†Dormady, Francis P., [Wis.]	1305 10th St.
Dornoff, Edward R., [D. C.]	1132 7th St., N. E.
†Douglas, Lawrence W., [Va.]	Ballston, Va.
*Doyle, Elizabeth Newell, [D. C.]	1619 21st St.
*Drain, Virginia, [D. C.]	1754 Massachusetts Ave.
†Drew, Alice Eunice, [Fla.]	1922 Belmont Road.
†Drew, Marietta E., [Fla.]	1922 Belmont Road.
Dudley, Agnes, [D. C.]	The Highlands.
*Duff, Evelyn G., [D. C.]	3311 Ross Place.
*Duke, Ethel I., [Md.]	244 Maple Ave.
*Dundas, H. F., [Mont.]	2406 Pennsylvania Ave.
*Dusenbury, Lillian [D. C.]	1465 Meridian St.
Dyer, Leonidas Bingley, [Ohio]	1901 E St.
Eckman, Lulu Lee, [Ohio]	3914 Huntington St.
*Eddy, Frances Hildreth, [D. C.]	902 12th St.
*Eiker, John Tripner, Jr., [D. C.]	1122 Spring Road.
Ellerbrock, Charlotte, [D. C.]	1317 Rhode Island Ave.
Elliott, Kathryn Louise, [D. C.]	1822 Vernon St.
Ellison, Minnie D., [Va.]	West Falls Church, Va.
†Ely, Ben J., [D. C.]	Senate Office Bldg.
*Ely, Grace Darling, [D. C.]	6 Kendall Green, N. E.
Ernst, Angeline M., [Penna.]	150 Byrant St.
*Ernst, Julia R., [Penna.]	44 I St.
*Eskridge, Ruth H., [D. C.]	4121 8th St.
*Evans, Norma B., [D. C.]	925 P St.
Felix, Belle Sopris, [Colo.]	George Washington Hotel.

*Ferebee, Cora Bouchelle, [D. C.].....	1333 Park Road.
*Ferguson, Mary Louise, [Ohio].....	1624 29th St.
Field, Olivette Rosalie, [Va.].....	339 House Office Bldg.
*†Flaherty, Henry Edward, [N. Y.].....	1333 15th St.
Fleharty, Margaret B., [D. C.].....	1126 Columbia Road.
Flinn, Theresa M., [Penna.].....	2304 1st St.
*Flint, Marion Lenore, [Mass.].....	3901 Illinois Ave.
*Fnatsu, Fumio, [Japan].....	Japanese Embassy.
†Fooks, Herbert C., [D. C.].....	Walter Reed Hospital.
†Foote, John Ernest, [D. C.].....	1358 Spring Road.
†Foster, LeRoy B., [D. C.].....	1829 19th St.
*Fox, Margaret Lyman, [Md.].....	Silver Spring, Md.
*Francis, Dorothea E., [D. C.].....	1102 9th St.
*Freedman, Leopold, [N. Y.].....	3111 M St.
*Frisk, Frances, [Calif.].....	2471 18th St.
*Frost, Grace Bierer, [D. C.].....	813 18th St.
*Fuller, Laura P., [Vt.].....	611 Queen St., Alexandria, Va.
*Fulton, Ida Blount, [Texas].....	4011 5th St.
*Garber, Sara E., [D. C.].....	331 5th St., S. E.
†Gardner, Jessie, [Iowa].....	1627 Massachusetts Ave.
Gardner, Warren Adrian, [N. Y.].....	1719 G St.
*Garrett, Edna, [Mo.].....	178 U St., N. E.
*Gaukel, Thomas L., [D. C.].....	Y. M. C. A.
†Gebauer, Emanuel Lawrence, [Ky.].....	Army Medical School.
George, Mary Vincent, [D. C.].....	513 E. Capitol St.
*Getz, Frieda, [D. C.].....	1886 Monroe St.
Gibbon, Marie Estelle, [Va.].....	123 Willow Ave., Takoma Park, D. C.
Gibson, Arthur, [D. C.].....	228 11th St.
*Gibson, Charlotte M., [D. C.].....	4127 N. Hampshire Ave.
Gibson, Ralph Emerson, [Okla.].....	1739 F St.
†Gift, Lyle H., [Ill.].....	1100 Vermont Ave.
†Glasbrenner, Amanda C., [Wis.].....	3122 Warder St.
†Gleason, Mary Hannah, [Mass.].....	4003 14th St.
†Goddard, Eunice, [D. C.].....	2107 O St.
†Goding, Helen Gilmore, [D. C.].....	1419 R St.
†Goforth, Alys M., [La.].....	2 D St., S. E.
Goforth, Herndon W., [D. C.].....	2112 F St.
*Goldfain, Samuel, [D. C.].....	1418 Columbia St.
*Goodenough, Mary Louise, [N. Y.].....	466 E St., S. W.
Goodhue, Maude, [Kansas].....	1400 C St., N. E.
Goodnow, Margaret, [Va.].....	216 King St., Alexandria, Va.
*Gordon, Isabel, [Tenn.].....	The Vistoria.
*Gorsky, Sifonia S., [N. Y.].....	McLachlen Bldg.
Gourley, Maryland, [Penna.].....	39 Quincy Pl., N. E.
A.B., 1918, Wilson College.	
Graham, Nettie F., [D. C.].....	1418 W St.
Grams, Anna Marie, [Canada].....	816 B St., S. W.
*Grant, Katherine L., [Penna.].....	1322 12th St.
Graves, Mary B., [Md.].....	1627 Q St.
Green, Adwin W., [D. C.].....	1106 Columbia Road.
*Greene, Gladys C., [R. I.].....	5310 Belt Road.
*Greenup, Nell Blanche, [Mo.].....	1910 16th St.
†Grieve, Grace, [Mich.].....	2004 G St.
†Griffith, Hazel E., [D. C.].....	509 11th St.
Griffith, Ruth Esther, [D. C.].....	404 W St., N. E.

†Griffith, Virginia Roseberry, [D. C.].....509 11th St.
 *Grigsby, Clara L., [Mo.].....1759 P St.
 *Grissom, Lillian E., [Okla.].....625 3rd St., N. E.
 Groseclose, Tyler Lee, [D. C.].....3301 Brown St.
 Grover, Elsie Jean, [D. C.].....516 8th St., N. E.
 *Guarnier, Lewis L., [Ohio].....1333 15th St.
 Gullett, Maud W., [Ill.].....1418 M St.
 *†Guye, Henriette, [Switzerland].....1724 Connecticut Ave.
 Hale, Ralph Cochran, [Tenn.].....125 6th St., N. E.
 *Hallen, Elsie E., [Mass.].....1829 K St.

A.B., 1918, Mt. Holyoke College.

Halpenny, Ruth Letitia, [D. C.].....165 V St., N. E.
 Halstead, Bessie Althins, [D. C.].....1409 Massachusetts Ave.
 *Hamilton, R. H. [D. C.] Grafton Hotel.
 †Hamrick, Viola, [W. Va.].....729 Virginia Ave., S. E.
 *Hanes, Harold F., [D. C.].....Law School
 *Hanks, Gladys M., [Ill.].....145 Rhode Island Ave.
 *Hansen, Anna Dagmar, [Ill.].....1764 N St.
 †Hansen, Dora, [Minn.].....Vienna, Va.
 Harden, F. G., [D. C.].....1468 Harvard St.
 †Harding, Edwin L., [Texas].....1228 11th St.
 Harding, Pearl M., [D. C.].....802 Massachusetts Ave., N. E.
 Harriman, Philip L., [Mass.].....Walter Reed Hospital.
 *Harrington, Vera M., [Ohio].....13 Girard St., N. E.
 *Harris, M. Marie, [Ill.].....209 8th St., N. E.
 *†Harrison, Margaret Marlow, [D. C.]..311 Maryland Ave., N. E.
 *Harrod, Lavina, [Fla.].....1208 M St.
 *Harroun, Lucile Georgia, [Conn.].....2118 O St.
 *Harry, Ida A., [D. C.].....4715 River Road.
 †Hartigan, Lenore K., [D. C.].....1916 G St.
 †Hartigan, Leonard Wheeler, [D. C.].....1916 G St.
 *Hartman, Florence E., [D. C.].....1414 Girard St.
 Harvey, Margaret Helena, [D. C.].....Kenilworth, D. C.

A.B., 1918, George Washington University.

*Hawkins, Fern, [Colo.].....312 R St.
 *Hawkinson, Amy Elizabeth, [Minn.].....1446 Oak St.
 Hawley, Catherine Reel, [Penna.].....1915 I St.
 *Haworth, Chloe H., [D. C.].....The Seville.
 *Haworth, Helen M., [Ind.].....518 Chatham Courts.
 †Haycraft, Charles I., [D. C.].....Library of Congress.
 *Healy, Evelyn B., [D. C.].....1802 U St.
 Heath, George E., [D. C.].....1808 S St.
 Heck, Earl L., [D. C.].....231 3rd St.
 Heilbrun, Ruth Adele, [D. C.].....1108 Columbia Road.
 Heitmuller, Marian R., [D. C.].....1307 14th St.
 Heitmuller, Ralph Emmert, [D. C.].....1307 14th St.
 Henderson, Clara, [Md.].....U. S. Fuel Administration.
 *Hendrick, Nell, [Ky.].....20th & Kalorama Road.
 *Henn, Carl L., [D. C.].....1422 Massachusetts Ave.
 Henry, Lula Alice, [D. C.].....321 E. Capitol St.
 Hensel, Frederick W., [D. C.] Cherrydale, Va.
 Hensel, Minnie Viola, [Ohio].....1811 G St.
 *Hepburn, Alice E., [Md.].....Rockville, Md.
 *†Heyl, Charles Heath, Jr., ...2009 Wyoming Ave.
 *Hicks, Ella Wheeler, [Iowa].....Rockville, Md.
 *Hill, Hazel Johnston, [N. Y.].....209 13th St.

Hill, Ira B., [N. C.].....	1247 6th St., S. W.
†Hill, Rosa B., [D. C.].....	1303 Fairmont St.
*Hill, Walter B., [D. C.].....	1313 Rhode Island Ave.
Hodgkins, George Wilson, [D. C.].....	1830 T St.
A.B., 1915, A.M., 1916, George Washington University.	
Hoffstead, Willmette, [D. C.].....	1757 N St.
Holdahl, Isabelle T., [Wis.].....	445 Irving St.
*Holley, Wanda E., [Calif.].....	4520 14th St.
Hollister, Margaret, [Mich.]	2821 27th St.
Holmes, Grace B., [D. C.].....	721 Shepherd St.
†Holmes, O. W., [D. C.].....	830 Otis Place.
*Holt, Jessie Ella, [Conn.].....	1109 K St.
Hooper, Louise M., [D. C.].....	3023 Q St.
Hope, Mary, [Kansas].....	1305 Clifton St.
Hope, Mildred, [Kansas].....	1305 Clifton St.
†Hopkins, Hazel Ann, [Minn.].....	914 New York Ave.
*Hotchener, Henry, [D. C.].....	The Rochambeau.
*Houchen, Mildred Lupien, [D. C.].....	2226 N St.
Howe, Rose Belle, [N. Y.].....	3338 17th St.
*Hudson, Rebecca Jane, [Va.].....	1409 15th St.
*Huginin, Margaret Louise, [Iowa].....	1629 Hobart St.
*†Humphreys, Elizabeth, [Miss.].....	1711 I St.
†Hungerford, Marion, [Md.].....	1636 14th St.
*Hunt, Beatrice R., [D. C.].....	2727 Ontario Road.
*†Hunt, Leslie L., [Ill.].....	1406 Columbia St.
Hunter, Anna M., [Ohio].....	4130 7th St.
*Hunter, Ruth Irene, [Maine].....	114 3rd St., N. E.
†Hurja, Emil Edward, [Alaska].....	1100 Vermont Ave.
*Hurlburt, Esther, [Penna.].....	1351 Massachusetts Ave., S. E.
Hurst, Lee Nora, [Ky.].....	406 M St., N. E.
†Hyer, Grace L., [D. C.].....	1332 9th St.
*†Hyland, Harry A., [D. C.].....	18 Seaton Place.
Hyman, Sadie Zunsner, [D. C.].....	3401 16th St.
†Jacobs, Fred P., [D. C.].....	1717 20th St.
*Jacobs, Merlin Edwin, [D. C.].....	3425 Porter St.
*Jacobsen, Eugene R., [D. C.].....	2509 Pennsylvania Ave.
James, Minnie Margaret, [D. C.].....	1320 Vermont Ave.
†Janes, Dorothy Eloise, [N. Y.].....	The Kenyon.
*Jaquith, Allen Foucestier, [N. J.].....	1906 H St.
*Jasper, Mayme A., [D. C.].....	30 6th St., S. E.
Jenkins, Anna E., [D. C.].....	3004 Albemarle St.
Jensen, Amalie E., [Ill.].....	1656 Euclid St.
†Jermain, Nina Lauretta, [Mich.]..	Bureau Aircraft Production.
†Jessup, Daisie T., [D. C.].....	The Plymouth.
*†Johns, Hyland R., [D. C.].....	1450 Harvard St.
Johnson, Catherine, [D. C.].....	2108 16th St.
Johnson, Elsie Evelyn, [D. C.].....	2803 14th St.
B.L.E., 1915, Syracuse University.	
*Johnson, Helen Cranmer, [D. C.].....	39 K St., N. E.
*Johnson, Marion Johanne, [N. Y.].....	2803 14th St.
Johnson, Mary Asenath, [D. C.].....	3540 10th St.
Johnston, Richard H., [D. C.].....	Munsey Bldg.
*Johnstone, Zadye, [N. Y.].....	209 13th St.
*†Jones, Helen G., [Ind.].....	3714 Morrison St.
*†Jones, Lily E., [Ill.].....	1623 H St.
Jones, Lula M., [Me.].....	Silver Spring, Md.

*Jones, Mary J., [Md.]	Mt. Rainier, Md.
†Joost, David, [Texas]	329 E. Capitol St.
Judge, Anastasia, G., [D. C.]	116 V St., N. W.
*Jump, Cecilia Kendig, [D. C.]	Seward Apts.
*Kavanaugh, Alice R., [Wis.]	The New Berne.
Keel, Susie, [D. C.]	1316 K St.
Keeley, Cora Larimore, [D. C.]	1620 Riggs Place.
Keen, Sadie Ernestine, [Calif.]	1402 14th St.
*Kelley, Helen L., [N. Y.]	1710 I St.
*Kenealy, D. M., [D. C.]	1110 Columbia Road.
†Kennedy, James A., [D. C.]	Cavanaugh Courts.
Kernan, Julia, [D. C.]	1201 Perry St., N. E.
*Kernode, Ruth A., [N. C.]	1409 Kennedy St.
Kershaw, Ada L., [Mass.]	Forest Glen, Md.
Keyes, Emilie Cocahman, [Ga.]	1120 Rhode Island Ave.
Keifer, Alpha H., [Mont.]	2406 Pennsylvania Ave.
*Killeen, Mary Katherine, [D. C.]	3117 N St.
*Kimball, Ruth E., [D. C.]	4324 14th St.
*King, M. Ruth, [D. C.]	1503 R St.
†King, Merrill Barnett, [Ill.]	George Washington Hotel.
*King, Ninita H., [Mich.]	6312 Connecticut Ave.
†Kirkpatrick, Rosalie T., [Texas]	Civil Service Commission.
*Kisling, Mildred I., [D. C.]	939 M St.
*Klaus, Morris, [N. Y.]	1209 21st St.
*Kleeblatt, Miriam, [D. C.]	3542 13th St.
*Kokinos, Lycurgas N., [Mass.]	Walter Reed Hospital.
*Krieger, Ruth C., [Iowa]	220 B St., S. E.
*Kyger, Margueriet, [Wash.]	2134 F St.
*Kyle, Kate H., [Mo.]	Clarendon, Va.
*Lacroix, Florence Y., [Mass.]	1414 Perry Place.
Lake, Lola E., [Calif.]	3110 13th St.
*Lance, Beryl L., [Kans.]	1341 Franklin St., N. E.
*Lander, K. Douglas, [Ky.]	Falkstone Courts.
†Langland, Albert J., [Mass.]	1810 Calvert St.
†Larson, Swan Alfred, [Minn.]	2130 O St.
*Lash, Georgiana, [Va.]	517 N. Columbus St., Alexandria, Va.
*†Lawson, Nina Eveline, [N. Y.]	2518 17th St.
Leahy, Emelia A., [Ill.]	1705 13th St.
*†Lebauda, Mary R., [Pa.]	2105 1st St.
*Ledgerwood, Dorothy, [Ill.]	3409 Mt. Pleasant St.
†Lee, Edith J., [D. C.]	1239 Talbert St., S. E.
†Leedy, Nellie Grace, [Mo.]	1340 E Capitol St.
*Lenovitz, Bessie, [Md.]	2927 M St.
Lephfew, Bessie, [D. C.]	1362 F St., N. E.
Lesser, Isador, [Mass.]	925 N St.
*Liebert, Anna, [N. Y.]	1620 T St.
*†Lindgren, Alma Margaret, [Fla.]	1014 Vermont Ave.
†Lippitt, Minnie H., [D. C.]	Washington, D. C.
*Littlefield, Georgia, [N. Y.]	1246 10th St.
†Locke, Vernie M., [N. Y.]	Clarendon, Va.
Lodge, Thomas E., [D. C.]	Y. M. C. A.
Londow, Ezekiel, Jacob, [N. C.]	1123 6th St.
Long, Mrs. James E., [Wis.]	The Ontario Apts.
*Louden, Mildred, [D. C.]	1031 Park Road.
Louis, Melvin, [D. C.]	1232 Irving St.
Love, Ellen Lane, [Va.]	3748 McKinley St., Chevy Chase, D. C.

Love, Katherine Usher, [D. C.].....	3748 McKinley St.
*Lovell, Ellen, [Tenn.].....	1747 Kilbourne Place.
*Lowrey, Margaret H., [Iowa].....	3505 14th St.
*†Lucas, Kate Cameron, [Tenn.].....	1711 I St.
Lyons, Helen Rachel, [Mass.].....	435 Massachusetts Ave.
†McCarthy, Kathryn H., [Penna.].....	2305 Washington Circle.
*McClain, Lilian Louise, [D. C.].....	728 10th St., S. E.
McClintock, Laura Madeline, [Penna.].....	The Octavia.
McCloskey, Catherine L., [Okla.].....	1354 Otis Place.
*McConnell, Chalmers S., [D. C.].....	1753 18th St.
McCrary, Charles William, [Va.].....	3530 T St.
†McCullen, Bryan, [D. C.].....	3627 N. Hampshire Ave.
*McDonald, Monica B., [D. C.].....	2128 Flagler Place.
†McElroy, Mary B., [D. C.].....	1629 13th St.
*McGehee, Mary, [Ala.].....	4011 9th St.
*MacFarland, Julia, [Texas].....	1129 Girard St.
MacIntosh, Lulu M., [D. C.].....	821 N. Carolina Ave., S. E.
*Mahan, Paul E., [W. Va.].....	2303 Pennsylvania Ave., S. E.
*Maher, Marie Cecilia, [Minn.].....	511 L St.
*Mahneke, John F., [D. C.].....	432 Baylor St.
†Majchrowicz, Jeanne M., [Ill.].....	718 Maryland Ave., N. E.
*†Malouin, Miriam M., [D. C.].....	1350 Randolph St.
*Mannerse, Kathryn R., [Iowa].....	1031 Park Road.
†Marshall, Clinton L., [Va.].....	Marine Corps Headquarters.
*Martin, Mary F., [Texas].....	1018 Vermont Ave.
*Marvin, Cornelia, [D. C.].....	1501 Emerson St.
Mason, John Russell, [D. C.].....	808 9th St., N. E.
Mathieson, Edna Mildred, [Ind.].....	43 Girard St., N. E.
Mathis, Mary, [Ga.].....	1123 13th St.
Matthews, Edna Earl, [Va.].....	1305 10th St.
†Mattson, Josephine, [Mich.].....	2004 G St.
*Maura, Velma Lane, [Ala.].....	1740 K St.
*Maxwell, Dora, [N. Y.].....	1101 Euclid St.
*Mayer, Leo, [N. Y.].....	3309 13th St.
*†Maynard, George Maundesley, [D. C.].....	1475 Columbia Road.
Mayo, Redmond, [D. C.].....	1335 H St.
†Meakin, Allan J., Jr., [Ohio].....	617 22nd St.
†Melcher, Ida H., [Nebr.].....	3335 18th St.
*Mell, Faith Althea, [Penna.].....	220 B St., S. E.
†Merrick, Manila C., [Iowa].....	1225 L St.
Michael, Rachel H., [Calif.].....	311 C St.
Middlebrook, Cecilia A., [Texas].....	1027 Park Road.
†Miller, Marjorie, [Wash.].....	Pan American Union.
†Mills, Esther Margaret, [Calif.].....	1621 17th St.
Mills, Oliver Raymond, [D. C.].....	62 Seaton Place.
†Mills, Agnes J., [Colo.].....	617 Quebec Place.
Miner, Ethel G., [Ohio].....	1613 Irving St.
*Minear, Lulu, [W. Va.].....	412 10th St.
*Miotke, Therese A., [Wis.].....	708 19th St.
*Mirth, Dorothy, [D. C.].....	324 11th St., N. E.
Mitchell, Charlotte G., [D. C.].....	1824 G St.
*†Mitchell, Lotus Lucile, [Mo.].....	1104 M St.
Molster, Jean Lawson, [D. C.].....	934 Kearney St., N. E.
Mon, Ora May, [Ill.].....	119 W St.
†Montgomery, William P., [Md.].....	Pan American Union.
*Moon, Annie J., [D. C.].....	Montgomery Apts.

- *Moore, Ardala, [D. C.].....111 Tennessee Ave., N. E.
 *Moore, Herbert E., [Ohio].....1736 T St.
 †Moore, Ruth M., [Ill.].....139 V St.
 *Moran, Mignon, [D. C.].....429 Shepherd St.
 †Moran, Catherine V., [D. C.].....1712 A St., S. E.
 Moran, William Cornelius, [Nebr.].....1333 15th St.
 *Morgan, Arabelle, [D. C.].....1441 Fairmont St.
 *Morgan, G. Maude, [D. C.].....629 New Jersey Ave.
 Morgan, Ruth Jennison, [Minn.].....1126 Columbia Road.
 Morgan, Sarah Beard, [D. C.].....911 O St.
 Morrison, M. Frances, [Kansas].....512 Park Road.
 †Mosby, Margaret Pendleton, [D. C.].....2019 19th St.
 *Moser, Lillian T., [Kansas].....2016 G St.
 †Moulton, Ethel L., [Mass.].....1490 Newton St.
 †Moyle, Gilbert D., [D. C.].....2851 29th St.
 Muldrow, Elizabeth, [D. C.].....2431 Ontario Road.
 *Mumpower, Lou, [Mo.].....510½ 2nd St., S. E.
 *Murphy, Abigail Theresa, [Vt.].....3420 13th St.
 *Murray, M. Elizabeth, [N. J.].....1211 Euclid St.
 *Musser, Mabelle Leland, [D. C.].....3 Grant Place.
 *Mutch, Marion, [N. J.].....1615 Swann St.
 *Myer, Pearl Bessie, [D. C.].....310 4th St., S. E.
 *Neumyer, Helen A., [D. C.].....615 3rd St.
 Newman, Lawrence G., [D. C.].....Law School.
 Nichol, J. Wallace, [D. C.].....412 Willard Courts.
 *Nicholson, Blake Edwin, [W. Va.].....Camp Meigs.
 *Nicholson, Jean, [S. Dak.].....3605 N. Hampshire Ave.
 Nielson, George L., [Utah].....133 15th St.
 Niemeyer, Ernestine H., [D. C.].....1708 Lawrence St., N. E.
 Norgorden, Cora Artemus, [Minn.].....3149 17th St.
 †Noyes, Martha, [Penna.].....The Iroquois.
 Novotny, Elsie Mae, [Iowa].....930 O St.
 †Nussbaum, Cecil Rigby, [Ill.].....1753 Lamont St.
 A.B., 1918, Northwestern University.
 *O'Donnell, Mary E., [Kansas].....1412 Perry Place.
 O'Donnell, Raymond G., [D. C.].....1120 13th St.
 *Oliva, Cecilia, [Ill.].....The Iroquois.
 *†Oliver, Estelle Isabel, [Texas]..N-O, Government Hotels Bldg.
 *O'Neill, Helen Geraldine, [Mass.].....1719 13th St.
 *O'Neill, Marion L., [D. C.].....1719 13th St.
 *O'Neill, Mildred, [D. C.].....1754 Park Road.
 *O'Neill, Stella M., [Ill.].....Victoria Apt.
 *†Orr, Merlda Beatrice, [Ill.].....1364 Girard St.
 Ott, Helen L., [Kans.].....512 Park Road.
 Owen, Abbie, [D. C.].....132 E. Capitol St.
 *Owen, Mary Frank, [D. C.].....664 E St., N. E.
 Pabst, Anna M., [D. C.].....3551 Holmead Place.
 *†Padgett, Marie M., [S. Car.].....1324 Shepherd St.
 *Page, Anita B., [Ky.].....1819 F St.
 *Pankey, Martin Morrison, [Va.].....Y. M. C. A.
 †Parest, Clara, [R. I.].....101 N. Carolina Ave., S. E.
 *Parks, Edna Irene, [Canada].....2525 Hall Place.
 †Parlier, Ruth, [Ill.].....2323 I St.
 *†Parrish, Laura, [Ky.].....2138 California St.
 *Paul, Elizabeth A., [D. C.].....3551 Holmead Place.
 †Paulson, Freeman R., [Iowa].....4321 Iowa Ave.

Paxton, Mary Annabel, [Va.]	R. F. D., Rosslyn, Va.
†Peckham, Winifred A., [Penna.]	1920 Belmont Road.
Peirce, Lottie M., [D. C.]	229 Pennsylvania Ave., S. E.
*Pendleton, Gertrude P., [D. C.]	3426 16th St.
*Perrin, Arla, [D. C.]	1234 Crittenden St.
Perry, Belle, [D. C.]	1305 N St.
*Peters, Dora C., [D. C.]	39 K St., N. E.
Peters, Frances Elizabeth, [D. C.]	39 Quincy Pl., N. E.
Phelps, Annabelle Wingate, [D. C.]	2641 Garfield St.
Phelps, Rose B., [D. C.]	2141 K St.
†Phillips, Walter Hiram, [Ohio]	1842 Calvert St.
*Pigott, Mabel J., [D. C.]	11 R St., N. E.
Pilcher, Ruth Elizabeth, [D. C.]	2118 18th St.
*Plowden, Nell M., [Md.]	2132 F St.
*†Pohorsky, Eleanor J., [Ia.]	1014 Vermont Ave.
*Porteous, Ella May, [Tex.]	803 Mt. Vernon Place.
Porter, Mildred Strong, [Mass.]	Allies Inn.
*Postles, Irene Hudgins, [D. C.]	3516 Park Place.
Powers, Robert, [D. C.]	1322 Vermont Ave.
Prescott, Olive, [Ind.]	P-Q, Plaza Apts.
*Price, Marion Martin, [D. C.]	1521 Buchanan St.
Prior, Clementine, [D. C.]	633 Kenyon St.
Pryor, Mary Eleanor, [Md.]	36 Poplar St., Takoma Park, Md.
†Pulliam, Robert William, [N. C.]	Y. M. C. A.
*Purcell, Helen Claire, [Neb.]	1084 Park Road.
†Quirk, Ellen M., [D. C.]	1332 I St.
Rabette, Amanda A., [D. C.]	1495 Newton St.
†Ralston, Helen Marie, [Ill.]	1912 Sunderland Place.
†Ralston, Julian C., [D. C.]	The Bulkley Apts.
*Rand, Ben R., [D. C.]	1201 Clifton St.
Randall, Lorma, [Md.]	209 Maple Ave., Takoma Park, Md.
*Rauchenstein, Helen Anna, [D. C.]	507 7th St., S. E.
*Rayes, Beatrix, [D. C.]	2574 University Place.
*Redmond, Ruth P., [N. Y.]	The Senate.
Reed, Elizabeth Freegans, [D. C.]	603 F St., N. E.
Reese, Warren S., [Ala.]	408 2nd St.
*Reis, Jule, [N. Y.]	1231 Talbert St., S. E.
*Reisinger, Dorothy E., [Md.]	37 Rhode Island Ave.
*Remsburg, Laura K., [D. C.]	1026 Lawrence St., N. E.
*Reynolds, Ruth, [Ohio]	1438 N St.
*Rhea, Learner T., [D. C.]	1339 14th St.
Richards, Miriam, [Md.]	9 W. Irving St., Chevy Chase, Md.
*Rivera, Irene L., [Mass.]	DeSoto Apartment.
*Rivero, Gracielo Martin, [D. C.]	1712 Kilbourne Place.
*†Rixen, Valdemar, [D. C.]	1829 Phelps Place.
Roberts, John Elbert, [Mo.]	1000 22nd St.
*Robinson, Virginia, [Md.]	1523 22nd St.
†Rocco, George J., [D. C.]	1342 Irving St.
*Roche, Nellie J., [Tenn.]	1845 Vernon St.
†Romney, Miles, Jr., [Mont.]	1100 Vermont Ave.
†Ross, Lydia D., [Mo.]	Rockville, Md.
†Rosinski, Gertrude L., [D. C.]	1216 K St.
*Roth, Luella, [N. Y.]	1819 F St.
*Rothgeb, Mary R., [Va.]	5 S St.
Rounds, Elizabeth, [Ind.]	1337 Newton St.
*Rowell, Etta May, [N. H.]	550 Columbia Road.

*†Rowlee, Francis Marion, [D. C.].....	U. S. Naval Hospital.
*†Rudder, Willie C., [Miss.].....	200 A St., S. E.
†Ruddy, Isabelle K., [Mo.].....	1752 Park Road.
*Ruppert, Minnie L., [D. C.].....	1825 Hamlin St., N. E.
*Ryder, Marion P., [N. Y.].....	1112 Monroe St.
*Sage, Jerome, [Miss.].....	2023 G St.
*Savage, Marjorie, [Iowa].....	3505 14th St.
*Scarff, Ruth Nelson, [Md.].....	1024 Vermont Ave.
†Scharf, John G., [D. C.].....	3411 Brown St.
*Schlicting, Arthur C., [Ill.].....	1733 G St.
*†Schmidt, Joseph Herbert, [Nebr.].....	808 G St., S. E.
*Schmitt, Ewald, [Mass.].....	1123 5th St.
*Schnare, Lester L., [D. C.].....	Department of State.
*Scholen, Hanna, [Wash.].....	2134 F St.
*Schurar, Louise, [S. C.].....	1101 2nd St., S. E.
Schutz, Nicholas, [D. C.].....	1750 M St.
*Scott, Thelma G., [D. C.].....	220 4th St., S. E.
†Shafer, William, [D. C.].....	1430 V St.
†Shapiro, Beatrice, [N. Y.].....	20 Adams St.
Shappirio, Lillian, [D. C.].....	910 M St.
Shappirio, Pauline C., [D. C.].....	910 M St.
*Shaw, Edna Marshall, [D. C.].....	Station H, Route A.
*Shaw, Margaret, [D. C.].....	3604 Newark St.
*Shaw, Randolph C., [D. C.].....	1419 R St.
Shea, James W., [D. C.].....	4427 Iowa Ave.
Sheffield, Edgar Lee, [Idaho].....	1740 K St.
*Shelton, Mary, [D. C.].....	3614 N. Hampshire Ave.
*Sherman, Mabelle, [D. C.].....	1101 K St.
Shoemaker, Ruth Agnes, [D. C.].....	5310 Belt Road.
Simpson, Mary Kirk, [Va.].....	1212 34th St.
Singleton, Ina Duvall, [D. C.].....	2020 H St.
Skelton, Edythe Lillian, [Va.].....	620 B St., S. W.
Skelton, Gertrude E., [Mich.].....	1322 L St.
Smedes, Henrietta R., [Fla.].....	2120 G St.
*Smelker, Mildred C., [D. C.].....	2129 G St.
Smith, Alice Cornelia, [Conn.].....	3242 38th St.
†Smith, Margaret, [Colo.].....	1707 19th St.
Smith, Mary P., [W. Va.].....	2434 Pennsylvania Ave.
Smith, Newton W., [D. C.].....	1806 Riggs Place.
*Smith, Nina W., [D. C.].....	1806 Riggs Place.
*Smith, Rowena May, [D. C.].....	1812 Vernon St.
Smith, Theodore Studwell, [D. C.].....	1862 Mintwood Place.
Smith, Theresa Brick, [D. C.].....	3401 16th St.
*Smith, Walter, [D. C.].....	Y. M. C. A.
Snowden, Elizabeth V., [D. C.].....	1818 Ingleside Terrace.
*Soady, Eunice, [Ill.].....	132 R St., N. E.
*Somers, Emily G., [N. Y.].....	1345 Newton St.
Sorenson, Agnes LaVerne, [D. C.].....	Takoma Park, D. C.
*Sorey, Tom L., [Okla.].....	1223 Crittenden St.
*Sowers, Virginia Adams, [N. C.].....	13 Quincy Place.
Sowersby, Ora, [D. C.].....	National Zoological Park.
†Sparhawk, William Norwood, [D. C.].....	2514 Hall Place.
*Speidel, Carl Caskey, [D. C.].....	2309 1st St.
†Spencer, Charles E., [Mich.].....	1843 Kalorama Road.
*Spencer Jennett, [Colo.].....	1919 K St.

*Stanger, Benjamin Z., [D. C.].....	3538 11th St.
*Stanton, Ruth E., [D. C.].....	4415 Georgia Ave.
Starr, Relda A., [N. Y.].....	111 4th St., S. E.
*Stearns, Adele L., [Va.].....	1441 Girard St.
*Steele, F. W., [D. C.].....	1430 W St
Stein, Hattie, [D. C.].....	Concord Apartments.
†Sternbergh, Harriet Elizabeth, [Penna.].....	3448 34th Pl.
*Stevens, Lillian E., [D. C.].....	2019 N St.
Stevens, Mary C., [D. C.].....	2612 Garfield St.
†Stevenson, Horace L., [D. C.].....	157 U St.
*†Stewart, Iva Curtis, [D. C.].....	2047 Park Road.
*Stickell, Jesse, [N. Y.].....	1718 Corcoran St.
*Stickle, Monroe A., [D. C.].....	1116 F St., N. E.
Stimpson, Winifred, [D. C.].....	2141 Wyoming Ave.
Stockton, A. Marion, [Calif.].....	5610 14th St.
*†Stokes, Mable Medora, [Ohio].....	825 15th St.
Stoneman, Marion P., [Va.].....	515 6th St., N. E.
Strawn, Roxie Nolan, [Ind.].....	2118 O St.
Stuard, Mabel E., [D. C.].....	2118 I St.
Studds, Marie, [D. C.].....	1409 New Jersey Ave.
*Stumpfle, Florence M., [Va.].....	Cherrydale Va.
Stuwe, J. D., [D. C.].....	U. S. Patent Office.
*†Sullivan, John Henry, [Mich.].....	435 Massachusetts Ave.
*Sullivan, Kathleen F., [D. C.].....	3574 11th St.
*Surasky, Esther, [S. C.].....	1301 K St.
Swearinger, Anita, [Ind.].....	2912 16th St., N. E.
*Sweeney, Doris M., [D. C.].....	1315 N St.
*Szilagy, George, [D. C.].....	Y. M. C. A.
*Tabor, Lucy Hazel, [Ohio].....	3222 13th St.
*Takken, Edna Baird, [D. C.].....	1006 B St., S. W.
Tapley, Gladys, [D. C.].....	233 Tennessee Ave., N. E.
*Tauber, Minnie Rose, [D. C.].....	1706 U St.
*Thode, Adell R., [N. Y.].....	1330 Massachusetts Ave.
†Thomas, Arden Hayes, [Ind.].....	704 13th St.
*Thompson, Edna, [Ill.].....	1439 T St.
Thompson, Frances M., [D. C.].....	351 10th St., S. E.
†Thurlby, Gladys Leone, [Ohio].....	The Plaza Apartments.
*Todd, Jessie E., [Ill.].....	1829 K St.
Toner, Carrie E., [D. C.].....	1814 Ingleside Terrace.
*Torrey, Earl G., [D. C.].....	40 Randolph Place.
Totten, Callie M., [Tex.].....	1407 W St.
†Towsley, F. H., [D. C.].....	2502 Hamlin St., N. E.
*Towson, Helen J., [D. C.].....	400 M St.
*Towson, Leontine I., [D. C.].....	400 M St.
Traylor, Maude L., [Ill.].....	113 1st St., N. E.
†Truesdell, Horace Warner, [D. C.].....	1121 Harvard St.
Trundle, Mary E., [D. C.].....	72 R St.
*Tuben, Gilbert A., [D. C.].....	225 1st St., N. E.
*Turner, Dorothy, [D. C.].....	3901 Illinois Ave.
*Turner, Edith I., [D. C.].....	18 4th St., S. E.
*Turner, Marie Alma, [N. C.].....	506 E. Capitol St.
*Turner, Pattie Mangum, [N. C.].....	506 E. Capitol St.
*Turner, Sallie A., [N. C.].....	506 E. Capitol St.
Turoff, Dora M., [D. C.].....	1804 2nd St.
*Tyler, Emma, [Fla.].....	2800 27th St.

Umali, Lydia M., [D. C.].....	1101 Euclid St.
Umhau, Christine, [D. C.].....	3305 16th St.
Underkoffler, Florence Joanna, [Pa.].....	1719 13th St.
Unruh, June Martha, [Kans.].....	130 Adams St.
Vance, Josephine S., [Ind.].....	1414 Girard St.
Veale, Anita, [D. C.].....	3908 Kansas Ave.
Vennum, Mary McAlpin, [Ohio].....	3544 Park Place.
Walker, Effie L., [Miss.].....	2237 Florida Ave.
Walker, Jessie C., [Iowa].....	1103 Park Pl., N. E.
Wall, Adelaide D., [D. C.].....	4009 14th St.
Walls, Pearl E., [D. C.].....	1018 E. Capitol St.
Walthall, Margaret B., [N. J.].....	Olympia Apartments.
Ward, Ethel Elaine, [Ind.].....	1731 Columbia Road.
Wardell, Ralph Hewitt, [Calif.].....	1030 17th St.
Warren, Virginia Mary, [D. C.].....	1333 Belmont St.
Washburn, George Ellery, [D. C.].....	3459 Macomb St.
Washington, Gertrude D., [Mich.].....	928 New York Ave.
Watson, Bessie L., [D. C.].....	4041 Washington Post Bldg.
Watts, Gladys, [Mo.].....	322 Maryland Ave., N. E.
Weaver, Gladys K., [Ind.].....	1416 A St., N. E.
Weber, Lucile, [Kansas].....	336 C St.
Weeks, Mangum, [D. C.].....	3443 Newark St.
Weinstein, Perry, [N. Y.].....	1905 Kenyon St.
Wells, John Raymond, [Va.].....	East Falls Church, Va.
Wendt, O. H., [Ia.].....	Home Apartments.
West, Mrytle, [Ky.].....	56 Quincy Pl., N. E.
Westerman, Christian Ralph, [Penna.].....	1372 Kenyon St.
Wetzel, Elsie Amelia, [Ill.].....	3631 35th St.
White, Roberta Graham, [Md.].....	1926 Summit Pl., N. E.
White, Ross Antony, [D. C.].....	57 Bryant St.
White, S. Evelyn, [D. C.].....	The Woodworth.
Wilfley, Katharine, [D. C.].....	1483 Harvard St.
Wilkinson, Alice B., [Kansas].....	2141 K St.
Villecox, Emma P., [D. C.].....	The Thomas.
Williams, Angela, [D. C.].....	640 8th St., N. E.
Williams, C. C., [D. C.].....	G. W. U. Medical School.
Williams, Margery, [Mich.].....	1855 Calvert St.
Williams, Mathilde Dorothea, [D. C.]	1332 F St.
Williams, Oscar Brown, [Texas].....	Walter Reed Hospital
Williamson, Georgia G., [Ark.].....	1717 20th St.
Willis, Anna Strickler, [D. C.]	231 10 St., N. E.
Willis, Virginia Bullock, [Va.]	Richmond Hotel
Willkie, Charlotte Esther, [Ind.]	2117 G St.
Willkie, Julia Etta, [Ind.]	2117 G St.
Willoughby, Lillian B., [S. C.].....	1815 Kenyon St.
Wilson, Caroline H., [Tenn.]	1815 18th St.
Wilson, Cecilia F., [D. C.]	35 I St.
Wilson, Marion L., [Pa.]	1026 Lawrence St., N. E.
Wilson, Sara M., [Tenn.].....	1815 18th St.
Wilton, Eva B., [Mich.].....	2710 Bladensburg Road.
Windridge, Emma Isabelle, [Va.]	Cherrydale, Va.
Witte, Mary Catherine, [Md.]	634 9th St., N. E.
Vittner, Edith Jane Fowler, [Ill.].....	1024 Park Road.
Volf, Rose, [D. C.]	1819 15th St.
Volve, L. Grace, [Va.]	8 Iowa Circle

†Wolfson, F. J., [D. C.]	1002 Fairmont St.
Wolt, Helen J., [Nebr.]	2715 14th St.
*†Wood, Beulah, [N. J.]	825 15th St.
Woodbury, Lydia A., [Nebr.]	911 L Street, N. E.
Woods, Millard M., [D. C.]	Department of Medicine
Woreschek, Arthur, [D. C.]	127 D St.
†Wright, Cora I., [Ia.]	1212 Twelfth St.
*Wynn, Orlena, [D. C.]	3630 Park Place.
Young, Augusta Freeman, [N. Dak.]	1830 16th St.
A.B., 1918, George Washington University.	
†Young, Harold A., [S. C.]	1810 Calvert St.
*Young, Mabel E., [D. C.]	2111 H St.
Young, Vincent H., [D. C.]	Law School
Zamora, Mauricio, [P. I.]	2942 Ordway St.
*Zimmerman, August, [D. C.]	912 9th St.

COLLEGE OF ENGINEERING

CANDIDATES FOR DEGREES

Data in parentheses represent course taken and the number of credits.

*Aaron, Jacob Henry, (Ch.E.; 0), [D. C.]	1322 Florida Ave., N. E.
Aman, Walter Frank, (E.E.; 56), [Md.]	Mt. Rainier, Md.
Anderson, John Augusta, Jr., (C.E.; 20), [D. C.]	1520 E. Capitol St.
Bacas, Aris Harry, (E.E.; 26), [Greece] ...	1929 14th St., N. W.
*Balbach, Earl Wilson, (M.E.; 0), [Pa.] ...	2015 G St., N. W.
Basseches, Jacob Thomas, (M.E.; 44), [N. Y.] ...	1814 Riggs Pl.
Bauskett, Helen V., (Chem.; 18), [D. C.]	1201 Girard St.
*Berenter, Philip, (C.E.; 0), [D. C.]	445 7th St., S. W.
Berliner, Julius Frederick Thomas, (Ch.E.; 0), [D. C.]	1471 Irving St.
Berryman, Nalls, (Chem.; 6), [D. C.]	40 Chestnut St., Takoma Park, D. C.
Biehm, Mary, (Chem.; 0), [Ky.]	4 Iowa Circle.
†Biggs, Zeno Alvin, (E.E.; 101), [Md.]	1730 Euclid St.
Birch, Alvin Lloyd, (C.E.; 8), [D. C.]	1635 R St., N. W.
Blackman, Cyrene E., (Chem.; 39), [Ind.]	209 S St., N. W.
†Blakely, Charles Francis, (C.E.; 92), [Nebr.]	Y. M. C. A.
*Bloomquist, Earl A., (C. E.; 0), [Ill.] ...	1737 Park Road, N. W.
Blosk, Edwin Arthur, (M.E.; 20), [D. C.] ...	744 Quebec St., N. W.
†Boyd, Joseph Reginald, (E.E.; 26), [D. C.] ...	1360 Parkwood Pl.
*Bradburn, John Raymond, (M.E.; 0), [D. C.]	308 Tenn. Ave., N. E.
Brady, John Bernard, (M.E.; 96), [Md.]	508 Warwick Pl.
Brauner, Ralph Herrman, (E.E.; 32), [D. C.]	Greenvale, Brookland, D. C.
*Brink, Raymond Otto, (M.E.; 0), [Conn.]	509 3rd St., S. E.
Bryant, Charles Byrn, (Ch.E.; 0), [D. C.]	3 You St., N. W.
†*Buckingham, Wells S., (C.E.; 0), [D. C.]	Apt. 210, The Portner
Burk, Paul William, (M.E.; 0), [D. C.]	1322 5th St., N. W.
Burner, Charles Alexander, (C.E.; 26), [D. C.] ...	1111 Irving St.
Burneston, Joseph Lee, (C.E.; 24), [D. C.]	636 E St., S. W.
Burton, Lawrence Elmer, (Chem.; 88), [D. C.] ...	1218 Kenyon St.

- Burton, Oliver E., (Chem.; 36), [W. Va.]....2303 Pa. Ave., S. E.
Campbell, Richard Dodge, (E.E.; 42), [D. C.]
†Casanova, Arturus Ynocencio, Jr., (C.E.; 0), [D. C.]
Christian, Wellner Livingstone, (M.E.; 0), [D. C.]
*Cissel, Henry Howard, (C.E.; 0), [D. C.]
Clarkson, Harry Irving, (M.E.; 8), [D. C.]
Colburn, William Edward, Jr., (M.E.; 0), [D. C.]
†Cole, Francis Gruelle, (M.E.; 43), [D. C.]
*Coombs, Walter Edward, (Ch.E.; 0), [Maine]
Corey, George Holton, (Chem.; 24), [Pa.]
Covert, Roy Norton, (M.E.; 0), [Ill.]
Cramer, Robert Lea, (E.E.; 0), [D. C.]
Cross, Fred Sylvester, (Chem.; 48), [D. C.]
Cruickshanks, Benjamin Carpenter, (M.E.; 112), [D. C.]
†Dale, Lloyd Emerson, (Chem.; 14), [Neb.]
Darnall, Mrs. Clara Barclay, (Chem; 26½), [Md.]
Davidson, Wilbur Delozier, (C.E.; 0), [D. C.]
Davis, Thomas Allan, (Ch.E.; 32), [D. C.]
De Frees, Raymond G., (C.E.; 116), [Iowa]
Degener, Edward L., (C.E.; 0), [Ill.]
†Degnan, George A., (M.E.; 133), [Pa.]
†Dempsey, James Bryan, (M.E.; 13), [Kansas]
Derrick, John Milton, (M.E.; 0), [Md.]
†Disney, Lindsay Pettit, (M.E.; 33), [D. C.]
Dunbar, Erorll, (M.E.; 0) [D. C.]
*Dunbar, Harvey Roldan, (Ch.E.; 0), [W. Va.]
A.B., 1913, Marietta College.
Duncan, Samuel James, (C.E.; 0), [Md.]
†Dutton, Harold Harrison, (C.E.; 36), [D. C.]
†Edwards, Thomas Rives, (Arch.; 65), [D. C.]
Eisinger, John Overton, (M.E.; 0), [D. C.]
Ellerbrock, John Henry, (M.E.; 0), [D. C.]
*Ervin, Guy, (C.E.; 39), [Iowa]
Faris, Robert L., Jr., (Chem.; 57½), [D. C.]
*Farkash, Edward, (C.E.; 54), [N. Y.]
Farnham, Arthur Blanchard, (Arch.; 73), [D. C.]
Fedde, Walter Carl, (Chem.; 38), [Colo.]
Field, Fred Erskine, (E.E.; 0), [Cal.]
Fihe, Albert Joseph, (Ch.E.; 72), [Ky.]
A.B., 1906, St Xavier College.
†Fleming, Euclid Story, Jr., (M.E.; 0), [D. C.]
*France, Ramon Denison, (M.E.; 35½), [Tenn.]
Free, Walter Henry, (M.E.; 4), [Iowa]

Friedman, Solomon, (C.E.; 25), [D. C.].....701 E St., S. W.
 Garman, Frank Russell, (M.E.; 0), [Pa.].....2645 N. Cap. St.
 †Garman, George Guy, (E.E.; 5), [Pa.].....2031 2nd St., N. E.
 Gatchell, Williard Waddington, (Chem.; 0), [D. C.]...3209 19th St.
 Gebhart, Arthur, (Chem.; 52½), [Pa.].....4 6th St., N. E.
 Gerber, Simon, (Chem.; 107), [Russia].....1339 H St., N. W.
 Giltrud, Esther Agnes, (Arch.; 0), [N. D.]....1335 Montague St.
 †Glycofrides, Eustace, (Chem.; 21), [D. C.]...735 9th St., N. W.
 Goldfarb, Saul Myer, (M.E.; 0), [D. C.].....118 4th St., N. E.
 Gonzalez, William Alexander, (Chem.; 26), [N. Y.]
 200 E St., N. W.

Goodall, Alfred Burrows, (E.E.; 4), [D. C.]

1824 Ingleside Terrace.

Graham, Daniel Parsons, (Ch.E.; 0), [Cal.]...12 R. I. Ave., N. E.
 Graham, George Emlen, (M.E.; 0), [D. C.]...2017 Kalorama Road.
 Greeley, Arthur Edward, (E.E.; 8), [D. C.]...2632 Garfield St.
 *Green, Edgar Melbourne, (M.E.; 5), [D. C.].....82 V St.
 Guest, Cora E., (Chem.; 0), [D. C.].....3165 18th St., N. W.
 Guest, Margaret R., (Chem.; 0), [D. C.]...3165 18th St., N. W.
 Hales, Ralph Alonzo, (M.E.; 0), [D. C.]...22 R. I. Ave., N. W.
 Hanneman, Walter Mooney, (M.E.; 0), [Md.]

234 Maple Ave., Takoma Park, Md.

Harding, Raymond Barton, (E.E.; 79), [Va.]...625 G St., S. W.
 Harris, Kathryn, (Arch.; 0), [D. C.].....1505 Lamont St.
 †Harris, W. Wilen, (M.E.; 36), [D. C.].....1756 Church St.
 Harsch, Raymond, (C.E.; 69), [Ohio].....1 Girard St., N. E.
 Hartman, Arthur Meyer, (Chem.; 0), [D. C.]

1414 Girard St., N. W.

*Havens, Verne Leroy, (C.E.; 0), [Neb.].....Powhatan Hotel.
 Hayes, Wilfred Henry, (M.E.; 0), [Mass.].....2015 G St.
 Heald, Roy Hainer, (M.E.; 128), [D. C.].....3515 Holmead Pl.
 Heckert, George Theodore, (E.E.; 0), [W. Va.]

1712 F St., N. W.

Heist, LeRoy Ernest, (M.E.; 0), [D. C.].....2415 N. Cap. St.
 *Henley, Irvin Miller, (Chem.; 0), [Pa.].....410 6th St., N. W.
 Hillig, Fred H., (Chem.; 23), [Ill.].....403 Ky. Ave., S. E.
 Hixson, William Alphonzo, (C.E.; 0), [D. C.]

624 Irving St., N. W.

Hubbard, Mabel Estelle, (Chem.; 14), [D. C.]

112 Quincy St., Chevy Chase, Md.

Hufnagel, Harry Miller, (E.E.; 26), [D. C.].....1311 6th St.
 Hunter, Paul Benwood, (Ch.E.; 27), [Va.].....2116 G St.
 *Iehl, Laurel E., (Chem.; 0), [Iowa]

c/o Y. W. C. A., Silver Spring, Md.

Javellana, Jose B., (E.E.; 0), [P. I.].....413 Randolph St.
 *Johns, James Everett, (Arch.; 0), [D. C.].....1532 N. Cap. St.
 Johnson, Clair Villiers, (M.E.; 45), [Iowa].....1829 19th St.
 Kampe, Albert Henry, (C.E.; 8), [Mich.].....1002 M St., N. W.
 *Kappler, Raymond Andrew, (M.E.; 0), [D. C.]...642 5th St., N. E.
 Karger, Alfred Gus, (Chem.; 0), [Ohio]...2616 Cathedral Ave.
 Keogh, Howard George, (Chem.; 0), [Mass.]....1810 Calvert St.
 †Kost, William Leon, (M.E.; 4), [D. C.]....1427 R. I. Ave., N. W.
 *Kotterman, Chester A., (M.E.; 12), [D. C.]

Apt. 43, 2611 Adams Mill Rd

Ladd, John G., (M.E.; 0), [N. Mex.]

6109 Brookville Rd., Chevy Chase, Md

- *Laddon, Misha, (Chem.; 52), [D. C.].....237 H St., N. E.
Lanigan, Arthur Loyola, (E.E.; 30), [D. C.]....122 Bryant St.
Lapish, Joe Harry, (Arch.; 23), [D. C.]....57 Quincey Pl., N. E.
Le Duc, Percy Walborne, (Chem.; 77), [D. C.]..817 Varnum St.
Lenkin, Samuel, (Chem.; 0), [D. C.].....144 Bates St., N. W.
Lenovitz, Jacob Leon, (C.E.; 104), [Md.].....Rockville, Md.
Leonard, Melville Harlan, (M.E.; 4), [D. C.]..310 V St., N. E.
Levitch, Alexander, (Ch. E.; 0), [N. Y.]....713 21st St., N. W.
Linden, Bernard A., (Chem.; 31), [N. Y.].....2148 F St., N. W.
Lindsey, Irving, (Chem.; 16), [Va.]
1009 Gibbon St., Alexandria, Va.
Llompert, Jose A., (Ch.E.; 26), [D. C.].....4512 Georgia Ave.
Lloyd, Daniel Boone, Jr., (C.E.; 32), [Md.]...1842 California St.
Lootz, Alf Christian, Jr., (C.E.; 0), [D. C.].....1645 31st St.
Lovett, John Willis, (Ch.E.; 0), [D. C.]...140 Adams St., N. W.
McCoy, John Scott, (Chem.; 43), [D. C.]..312 McLean Ave., S. W.
McCrea, Walter Dale, (E.E.; 15), [D. C.].....36 Macomb St.
McEntee, Albert Arthur, (C.E.; 108), [Ill.].....2124 P St.
McManamy, Carl Dewey, (M.E.; 0), [D. C.]..3825 Huntington St.
MacNab, John Carter, (M.E.; 0), [Mass.]....1427 Buchanan St.
Mahoney, John, (Chem.; 42), [Neb.].....931 M St., N. W.
*Mann, Frank John, (E.E.; 0), [D. C.]....465 Luray Pl., N. W.
Marston, Lester Frederick, (E.E.; 10), [Mich.]...1527 R. I. Ave.
Martin, Frank Whitcher, (M.E.; 94), [D. C.]..2106 1st St., N. W.
Mecutcheon, Laura Bartlett, (Arch.; 32), [Md.]..Brentwood, Md.
Mericle, Harold Francis, (Ch.E.;), [Ill.].....Mt. Rainier, Md.
*Michaelson, Leo William, (C.E.; 0), [Wis.].....2323 Penn. Ave
Miller, Forrest John, (M.E.; 0), [D. C.].....1534 Shepherd St.
†Miller, Odver Harrison, (C.E.; 101), [Okla.]..1739 P St., N. W.
Miller, Ralph F., (Ch.E.; 29), [Pa.].....338 Md. Ave., N. E.
Miller, Robert Tweed, (C.E.; 0), [D. C.].....1661 Park Road.
†Mills, Robert Rourke, (C.E.; 19), [D. C.].....134 R St., N. W.
*Minassian, Frederick Samuel, (E.E.; 13), [D. C.]..1314 11th St.
Montgomery, Wilbur Burson, (C.E.; 20), [D. C.]..126 Mass. Ave.
Moore, John Henderson, (Ch.E.; 27), [Md.]....Silver Spring, Md.
Morawski, Arthur L., (Chem.; 41), [Mass.].....442 Mass. Ave.
Moulton, George Franklin, (Ch.E.; 108), [Ill.]..3600 Ordway St.
Murray Charles N., (Chem.; 32½), [D. C.]....War Department.
Nagle, Ralph S., (Chem.; 0), [D. C.].....1338 Shepherd St.
Neill, William Lynville, Jr., (Ch.E.; 0), [Texas]
1930 Biltmore St.
Newcomer, Harry E., (Ch.E.; 22), [D. C.].....239 Que St.
†Nichols, Herbert Barker, (Chem.; 6), [Md.]
6402 Conn. Ave., Chevy Chase, Md.
†Nicholson, John Turnbull, (M.E.; 18), [Pa.].....1739 P St.
Norwood, Frederick James, (C.E.; 0), [D. C.]
1251 Franklin St., N. E.
O'Connor, Harold James, (Ch.E.; 28), [Pa.].....1805 G St.
O'Dea, Marie Elizabeth, (Chem.; 37), [Va.]..825 13th St., N. E.
Owens, Byron, (E.E.; 0), [Pa.].....401 McLachlen Bldg.
Owens, John Adams, (M.E.; 0), [Pa.].....1415 N. J. Ave.
Pardoe, Edward Schley, (C.E.; 26), [D. C.].....1319 Park Road.
Parker, Thornton Jenkins, Jr., (M.E.; 0), [D. C.]
723 19th St., N. W.
*Patrick, Ermin Chambers, (M.E.; 10), [D. C.]
600 23rd St., N. W.

- Patrick, Percy Leroy, (E.E.; 20), [D. C.].....905 Webster St.
 *Patty, Joseph Charles, (C.E.; 0), [Ohio].....1734 P St.
 Peake, Isidore Albert, (Ch.E.; 0), [D. C.]....1636 R St., N. W.
 †Pengelly, Raymond Leslie, (Chem.; 2), [Pa.].....P. O. B. 612.
 †Peterson, Emmett James, (C.E.; 53), [Cal.]
 410 House Office Bldg.
 *Phillips, Dorothy Randall, (M.E.; 3), [D. C.]
 87 Eastern Ave., Takoma Park.
 †Powell, Alfred Gottwals, (C.E.; 14), [D. C.]..628 6th St., N. E.
 †Proudley, Charles Earl, (Chem.; 44), [D. C.].....21 R St.
 †Rakeman, Herman C., Jr., (M.E.; 0), [D. C.]..1221 12th St., N. W.
 Reh, Emma, (Chem.; 124), [D. C.].....1210 Delafield Pl.
 A.B., 1917, George Washington University.
 Richardson, Alan Campbell, (Chem.; 0), [D. C.]..1531 Park Road.
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 101 Cruitt Lane, Cherrydale, Va.
 †Ricker, Martin Miller, (C.E.; 0), [D. C.]...3311 Q St., N. W.
 Riley, Albert Austin, (Chem.; 79), [Ohio].No. 301, 1760 Euclid St.
 Romhilt, Helen June, (Chem.; 40), [Ind.]
 2011 Franklin St., N. E.
 Rommel, George F., (C.E.; 0), [D. C.]....21 Myrtle St., N. E.
 Rosenberg, Samuel, (M.E.; 0), [D. C.].....488 E St., S. W.
 Rowland, Thomas John, (Arch.; 4), [Ga.]....607 4th St., N. W.
 *Rudy, John Taylor, Jr., (M.E.; 0), [Minn.]...1519 Caroline St.
 †Saegart, Ernest Redfield, (Chem.; 22), [Conn.]
 441 12th St., N. E.
 Sanborn, Norris Henry, (Ch.E.; 2), [Hawaii].115 Md. Ave., N. E.
 Sanders, James Henderson, (M.E.; 4), [D. C.]
 57 Randolph Pl., N. W.
 *Sawyer, Harold Grimes, (E.E.; 0), [Mich.]....228 R St., N. E.
 Schmitt, Henry Martin, (M.E.; 24), [N. Y.].....1429 You St.
 Schoffstall, Charles Warren, (M.E.; 22), [Pa.]....1829 19th St.
 Scott, Walter Clifford, Jr., (C.E.; 38), [D. C.]..649 B St., N. E.
 Serrano, Cayetano, (C.E.; 5), [Mexico].....1413 Eye St.
 Shulters, Earl Stanley, (E.E.; 20), [D. C.].....641 A St., S. E.
 †*Smith, Edgar Donald, (C.E.; 41½), [D. C.]....1246 Irving St.
 Snow, Harold Arthur, (E.E.; 52), [D. C.].....1656 Newton St.
 Soars, Frances Leota, (Arch.; 0), [Pa.].....19 W St., N. W.
 Spalding, John Dominic, (M.E.; 63), [D. C.]
 3339 Nichols Ave., S. E.
 Spasoff, John, (E.E.; 118), [Cal.].....2117 Flagler Pl.
 Spear, Albert A. (Chem.; 36), [D. C.].....4 6th St., N. E.
 Stanton, Arthur J., (E.E.; 29), [Pa.].....631 E St., N. E.
 †Starr, Arthur Price, (Arch.; 51), [N. Y.]....120 Randolph Pl.
 Stearns, William Perry, (Ch.E.; 0), [D. C.].....1425 R. I. Ave.
 †Steltz, Peter H., Jr., (C.E.; 42), [D. C.].....116 6th St., N. E.
 Stewart, Thomas Franklin, (C.E.; 30), [D. C.]..703 9th St., N. E.
 †Stickel, John Frederick, (Ch.E.; 4), [D. C.]....67 Randolph Pl.
 Stimson, Edward, (Chem.; 0), [N. Y.].....710 9th St., N. W.
 Strang, Harry Ledden, Jr., (E.E.; 75), [D. C.]
 2020 1st St., N. W.
 Stroop, David Vincent, (C.E.; 104), [Md.].....4214 8th St.
 Styron, Oscar M., (C.E.; 19), [D. C.].....3318 Mt. Peasant St.
 *Sutliff, Milo Joseph, (M.E.; 16), [D. C.].....1727 Euclid St.
 †Swem, Lee Allan, (M.E.; 24), [D. C.]....905 Mass Ave., N. E.
 *Taylor, Mrs. Daisy Gordon, (Chem.; 51), [Maine]..713 19th St.

- Temin, Morris, (M.E.; 0), [D. C.] 515 4½ St., S. W.
 Tibbitts, Gordon Chase, (E.E.; 40), [D. C.]
 321 Essex Ave., Chevy Chase, D. C.
 *Tracy, Stanley James, (E.E.; 0), [Utah]..... 2622 11th St.
 Tucker, Oscar Samuel, (E.E.; 26), [Pa.]..... Y. M. C. A.
 Turoff, Louis Webster, (C.E.; 61), [D. C.]..... 1804 2nd St.
 *Turoff, Ralph S., (M.E.; 24), [D. C.]..... 1804 2nd St.
 Violett, Ernest Randolph, (Chem.; 12), [Md.]
 34th & Baker Sts., Mt. Rainier, Md.
 Wailes, Raymond Bartlett, (Ch.E.; 0), [D. C.]..... 3118 14th St.
 *Wallace, Ricardo F., (C.E.; 0), [Md.]
 25 Drummond Ave., Chevy Chase, Md.
 †Walters, Marion Irven, (C.E.; 38), [D. C.].... 3228 Warder St.
 Ward, Heman Smith, (C.E.; 96), [D. C.]..... 1321 11th St.
 Warren, Edward Seymour, (M.E.; 0), [D. C.].. 1638 R St., N. W.
 Weinstein, Meyer, (Chem.; 58), [D. C.]..... 3410 M St.
 †Wendt, Robert H., (E.E.; 6), [Iowa]
 Apt. 44, Home Apts., 7th & K St.
 Wetherill, Frederick Veazey, (M.E.; 88), [Ore.]
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 Whyte, Clifton Andrews, (C.E.; 0), [D. C.]..... 1125 Allison St.
 Whyte, Russell Irving, (Chem.; 30), [D. C.].. 2503 14th St.
 Wilder, William Franklin, (C.E.; 84½), [N. J.].... 1523 22nd St.
 *Wilson, A. Herrmann, (C.E.; 26), [D. C.].... 911 Md. Ave., N. E.
 †*Wilson, James Rennie, (Arch.; 0), [Cal.].... 3026 Q St., N. W.
 Wilson, Joseph Henry, (M.E.; 113), [Pa.]
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 *Windle, Edward Howell, (M.E.; 34), [Pa.]..... 3601 14th St.
 Windridge, Frederick Nuson, (M.E.; 3), [Va.]
 Box 112, Cherrydale, Va.
 *†Woolf, Donald O., (C.E.; 26), [D. C.]..... 62 S St.
 *Wrenn, Paul George, (E.E.; 25), [N. Y.]
 Apt. 37, 1428 R St., N. W.
 Zverina, Frank, (Ch. E.; 0), [D. C.]
 1218 Franklin St., Brookland, D. C.

SPECIAL STUDENTS

- *Abbott, Meredith L. [N. J.]..... 1100 Vermont Ave., N. W.
 B.S., 1917, Bucknell.
 *Aldridge, Herbert F. [D. C.]..... 517 R. I. Ave., N. W.
 †Allen, Rembert Gary, [S. C.]..... 2476 Ontario Road.
 *Amrine, Robert Merle, [Mo.]..... 21 T St., N. E.
 *Arneman, George E., [Major, U. S. A.].... 2135 Munitions Bldg.
 *Arnold, Stanley Berry, [Ill.]..... 1400 L St., N. W.
 †Ashley, Mabel E., [N. C.]..... c/o U. S. Attorney's Office.
 *†Barnes, George Eric, [D. C.]..... 75 R. I. Ave., N. W.
 Bass, Nathan W. [Kansas]..... 1416 Euclid St., N. W.
 B.S., 1917, Kansas State Agric. College.
 *Blount, Harold Nicholson, [Mass.].... 633 Lexington Place, N. E.
 Boyden, Roger Talbot, [Mass.]..... 206 Southbrook Cts.
 Bradley, Horace Yale, [Ga.]..... Y. M. C. A.
 †Browne, Leslie H., [D. C.]..... 1112 13th St., N. W.
 Bunch, Jesse L., [D. C.]..... 922 D St., S. W.
 *Burton, Sydney Weller, [R. I.]..... 1303 E St., N. W.

*Caldwell, Brice John, [Ill.]

Bureau of Steam Engineering, Navy Dept.

B.S., 1911, University of Illinois.

Carlson, Wendell L., [N. Y.].....805 B St., S. E.

†Cash, William Bogart, [N. C.].....2516 17th St., N. W.

*Chapple, James Melvin, [D. C.].....925 O St., N. W.

†Chirieleison, Frank, [D. C.].....2003 Georgia Ave., N. W.

*Cleare, William M., [Mass.].....605 Irving St., N. W.

†Cole, Francis Everett, [D. C.].....1245 C St., S. E.

*Colvin, Henry Fred, [N. J.].....1615 S St., N. W.

†Connelly, Bernard Michael, [D. C.].....1234 Girard St., N. E.

†Corson, Homer Jean, [D. C.].....1316 12th St., N. W.

*Cotton, William Jacobs, [D. C.].....325 5th St., S. E.

A.B., 1910, Ripon College; S.M., 1911, Univ. of Wisconsin.

Cummiford, Asa Norman, [Mich.].....1223 D St., S. E.

LL.B., Georgetown, 1917.

†Dean, Roy Frankford, [Lieut., U. S. A.]....1325 Vermont Ave.

*Doniphan, Edwin Dorsey, [D. C.].....109 Md. Ave., N. E.

Dumaine, Andrew V., [D. C.].....2002 F St., N. W.

*Dunne, John Aloysius, [D. C.].....2407 N. Capitol St.

Eliason, Raymond Orlando, [D. C.].....Riverdale, Md.

†Elliott, Flerian A., [Va.].....1003 Woodward Bldg.

†Elliott, James H., [Va.].....14 Rosemont Ave., Alexandria, Va.

Emery, Gustav Harold, [D. C.].....2232 Cathedral Ave.

Emig, Evelyn Martha, [D. C.].....1765 P St.

*Epstein, Samuel, [N. Y.].....Div. 8, Bureau of Standards.

*Erickson, Emil Theodore, [D. C.].....1241 Interior Bldg.

A.B., 1916; A.M., 1917, Univ. of Utah.

*Evans, James Morrison, [N. J.].....1916 16th St.

B.S. in M.E., 1916 Mass. Institute of Technology.

†Fentiman, Sidney James, [D. C.].....Terra Cotta, D. C.

Fitton, Robert Douglas, [D. C.].....1315 Half St., S. W.

†Freeman, John Ripley, Jr., [R. I.].....1975 Biltmore St.

B.S., 1916, Mass. Institute of Technology.

*Gauger, Raymond Richard, (Lieut., U. S. A.), [Minn.]

1446 Harvard St.

*Gordon, Mortimer Richardson, [N. Y.].....1707 2nd St., N. E.

*Gove, Harold Gilbert, [Mass.].....3300 O St., N. W.

Graham, Harry, [D. C.].....453 Lamont St.

†Gray, Roy Clifton, [Tenn.].....808 G St., S. E.

*Grossman, Harold, [N. Y.].....904 Westminster Place.

*Groves, Homer Henry, [Texas].....918 M St., N. W.

†Hann, Raymond M., [D. C.].....1018 Mass. Ave., N. E.

*Hartman, William Weaver, Jr., [Ill.]

Chemical Laboratory, Catholic University.

B.S., 1918, Northwestern University.

*Hensel, Rudolph Edwin, [D. C.].....1603 E. Capitol St.

Hooper, Albert G., [Maine]..Bureau C. & R., Navy Department.

*Hopkins, Edwin Fraser, [D. C.].....4115 Emery Place.

B.S., 1915, Cornell University.

*Hudson, Paul R., [Ohio].....2817 38th St., N. W.

Hunt, Mary Eleanor, [D. C.].....126 13th St., S. E.

Hurley, Clifford W., [N. Y.].....Apt. 17, 1669 Columbia Road.

*James, Edwin, [Ohio].....1002 Mass. Ave., N. W.

*Janvrin, Everett B., [N. H.].....1916 16th St., N. W.

B.S., 1917, Worcester Polytechnic Institute.

- Johnson, Arthur A., [N. Y.].....2030 Lawrence St., N. E.
 *Johnson, Arthur C., [Ill.].....41 Quincy St., N. E.
 †Johnson, Roger C., [Mo.].....1016 9th St., N. W.
 *Johnston, Ruby Pauline, [D. C.].....314 2nd St., N. E.
 *Jones, Marion, [Mich.].....1615 S St., N. W.
 *Joyner, Helen Clayton, [Va.].....Clarendon, Va.
 A.B., 1918, Randolph-Macon Womans College.
 *Katz, William, [D. C.].....511 L St., N. W.
 *Keily, John Vincent, (Lieut., U. S. A.) [R. I.]..223 E St, S. E.
 B.S., 1911, Brown University.
 Keister, James Lewis, [D. C.].....2709 11th St., N. W.
 Klinger, Max, [N. Y.].....715 6th St., N. W.
 Langenbeck, Karl, [D. C.].....1625 Hobart St.
 †Lawrence, Walter Barton, [Texas].....707 Mt. Vernon Place.
 †Lazerow, Julius, [D. C.].....627 4½ St., S. W.
 Leef, William Hunter, [Va.].....Room 831, 1300 Penn. Ave.
 †Leviton, Morton, [Ill.].....1724 Conn. Ave.
 B.S. in Arch., 1912, Armour Institute.
 *Lew, Albert Abram, [Ill.].....2264 High St., S. E.
 Lincoln, La Forrest Webster, [Mass.].....1327 Shepherd St.
 Lindsey, Paul, [Va.].....1009 Gibbon St., Alexandria, Va.
 *Linscott, Raymond F., [N. H.].....1821 Vernon St.
 *Lovelace, Thomas P., [Ga.].....1930 N. H. Ave.
 B.E., 1912, N. C. College Agric. & Mech.
 *McComas, Harry G., Jr., [D. C.].....555 14th St., S. E.
 McCormick, J. D., [D. C.].....1377 N. C. Ave., N. E.
 *McGiehan, Donald Cable, [N. Y.]
 Ordnance Drafting Room, Div. 5, U. S. Navy Yard.
 McNamara, Homer Charles, [D. C.].....1114 M St., N. W.
 B.S., 1914, Kansas State Agric. College.
 *Maxim, Ezra N., [Mass.].....506 Seward Sq., S. E.
 *Medaris, Le Roy, [Ill.].....1228 8th St., N. W.
 Membert, Charles Knickerbocker, [D. C.].....405 A St., S. E.
 Millar, James, [D. C.].....3642 N. H. Ave.
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 "Friendship Home," Wisconsin Ave.
 *Murphy, Henry U., [N. Y.].....1113 N St., N. W.
 *Nail, Mary Caroline, [Pa.].....4609 30th St.
 B.S., 1917, University of Pittsburgh.
 *Neal, Harry Lee, [Mo.].....3137 18th St., N. E.
 *Norris, Walter Benton, [Md.].....Soldiers Home Hospital.
 Phar.D., 1917, George Washington University.
 †Norris, William Larkey, [D. C.].....1466 Clifton St.
 *Oliver, C. Percy, [D. C.].....Y. M. C. A.
 †Orange, William Byron, [Kansas].....1760 Columbia Road.
 Paterson, George, [N. Y.].....1414 Newton St.
 D.D.S., 1912, Georgetown Univ.
 Patrick, William Earle, Jr., [R. I.].....1331 K St., N. W.
 †Patton, John William, [N. C.].....Clarendon, Va.
 A.B., 1918, University of North Carolina.
 *Pear, Hyman, [N. Y.].....511 L St., N. W.
 *Pearlman, Julius, [Fla.].....301 O St., N. W.
 *Powell, Henry H., [Mo.].....505 Congressional Apts.
 A.B., 1902, Wake Forest College.
 *Prilliman, William Alfred, [D. C.].....1232 8th St., N. W.
 *Raedy, Daniel Joseph, [D. C.].....2210 Nichols Ave., S. E.

- †Rassleigh, Gladys Sinclair, [R. I.].....1764 N St., N. W.
 *Regan, Daniel A., [Mass.].....1220 11th St., N. W.
 †Reynolds, Floyd Wilson, [W. Va.].....1407 Ames Pl.
 M.S., 1912, Central College, Fayette, Mo.
 *Roberts, Harold Chester, [Va.].....512 East Wardman Courts.
 †Roeser, Harry Mance, [Ill.].....Bureau of Standards.
 S.B., 1914, Oklahoma Agric. & Mech. College; M. S., 1917,
 George Washington University.
 *Rosenberg, Frances, [N. Y.].....409 M St.
 *Rudner, Benjamin, [D. C.].....1719 Euclid St.
 Russler, Elmore D., [D. C.].....12 4th St., S. E.
 *Scatko, Joseph John, [N. Y.].....806 19th St.
 Schaeffer, Archie Weigarth, [Ill.].....120 Md. Ave., N. E.
 B.S., 1911, Ill. Wesleyan Univ.
 Schmid, Carl George, [Ind.].....5311 Illinois Ave.
 *Schott, Rudolph Donaldson, [D. C.].....2010 25th St., N. W.
 *Schwamenfeld, Max, [N. Y.].....430 M St., N. W.
 *Schwatt, Erwin L., [Pa.]
 Dynamometer Laboratory, Bureau of Standards.
 *Serota, Louis, [N. Y.].....902 Westminster St.
 Seth, Alexander Lazear, [Md.].....1116 10th St., N. W.
 A.B., 1898 Johns Hopkins University; LL.B., University of
 Maryland, 1900.
 *Shea, Joseph Thomas, [Mass.].....2139 Pa. Ave.
 Siebel, William Lawrence, [D. C.]...Copley Courts, 17th & P Sts.
 *Slattery, Thomas F., [Conn.]...215 Elm St., Chevy Chase, Md.
 Smith, Raymond Chester, [D. C.].....1006 B St., S. W.
 †Spurr, Frank Arthur, [Iowa]
 Chemical Warfare Service, American University.
 *Steen, Charlie Rupert, [Texas].....3918 Kansas Ave.
 *Stemen, William R., [Wis.].....2203 K St., N. W.
 Surasky, Esther, [S. C.].....1301 K St., N. W.
 A.B., 1912, Winthrop Normal & Industrial College.
 Tashof, Ivan Popper, [Ky.].....918 F St., N. W.
 E.M., 1912, Columbia; LL.B., 1916, University of Kentucky;
 LL.M., 1917, George Washington University.
 *Tausig, Carl Mulford, [Pa.].....1029 22nd St., N. W.
 *Teal, Leon De Herst, [N. J.].....118 Wyoming Apts.
 †Thies, William Herman, [Md.].....1801 G St., N. W.
 *Thompson, Grace Ethel, [Maine].....1333 Mass. Ave., S. E.
 *Throckmorton, Cleon Francis, [D. C.].....1536 Kingman Pl.
 Valentine, Clytus E., [Ohio].....1615 S St.
 Vestal, Franklin Earl, [D. C.].....1030 Euclid St.
 A.B., 1912, State University of Iowa.
 *Weaver, Harold L., [Cal.].....2101 N St., N. W.
 *Weimer, James Le Roy, [D. C.].....3420 16th St.
 Ph.D., 1916, Cornell.
 †White, Leon Abbett, [N. J.].....1903 H St., N. W.
 Whittaker, Albert Edward, [Mass.].....Walter Reed Hospital.
 Wilkinson, Harry Payson, [Md.]
 2 Magnolia Parkway, Chevy Chase, Md.
 *Wilson, Norman Rankin, [Kansas].....2323 Penn. Ave.
 †Witek, Theodore A., [N. Y.].....1730 I St., N. W.
 †Wolfson, Abraham Monroe, [Pa.].....1735 You St.
 Woolridge, Mrs. Ivy Lee, [D. C.].....33 Eye St., N. E.

- Woolridge, Jacob Henry, [D. C.].....33 Eye St., N. E.
 *Wrightson, Philip Gunckel, [D. C.].....120 Bryant St., N. W.
 B.S. in Ch.E., 1917, Catholic University.
 *Zabel, Herbert C. W., [Conn.].....1821 Vernon St.

TEACHERS COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS AND BACHELOR'S DIPLOMA IN EDUCATION.

Figures in parentheses represent the number of credits.

- Aaronson, Naomi, (50), [D. C.].....1106 Fairmont.
 Bailey, Lillie Porter, (93), [D. C.].....1513 8th St.
 *Barker, Alma, (74), [D. C.].....302 S St., N. E.
 Bartsch, Mrs. Signe Gjerdrum, (92), [D. C.]....1456 Belmont St.
 *Beard, Pearl Mary, (53), [D. C.].....638 5th St., N. E.
 †Bell, Beatrice Mary, (30), [Pa.].....1142 15th St.
 Bell, Mrs. Etta R., (45), [Mo.].....2129 Channing St., N. E.
 Bell, Ruth, (48), [D. C.].....642 C St., N. E.
 Beller, Sadie White, (109), [D. C.].....235 1st St., N. E.
 Bellony, Alexander Mathias, (28), [N. Y.].....Munitions Bldg.
 Berry, Mattie Sue, (65), [Ga.].....1209 Park Road.
 †Blaylock, Susie Adams, (15), [Ga.].....1428 Clifton St.
 Boone, Virginia Lee, (81), [Md.].....U. S. National Museum.
 *Bowden, Anna Virginia, (0), [D. C.].....13 Girard St., N. E.
 *Brackett, Catherine, (0), [D. C.].....1464 Girard St.
 Brackett, Ruth, (0), [Maine].....1912 Sunderland Pl.
 †Bray, Mary Madeline, (48), [Pa.].....1335 D St., N. E.
 Brill, Rose, (99), [D. C.].....2801 Georgia Ave.
 *Broder, Julia, (0), [N. J.].....626 22nd St.
 Brown, Georgia Mae, (66), [Minn.].....45 D St., S. E.
 Bruce, Gail, (48), [Ohio].....1801 Avon Place.
 Brumbaugh, Emma Jane, (0), [D. C.].....8 Girard St., N. E.
 *Brumbaugh, Esther, (5), [D. C.].....8 Girard St., N. E.
 Brumm, Henryette, (78), [D. C.].....517 E St., N. E.
 Bryan, Mary Penelope, (48), [Ala.].....1906 Florida Ave.
 *Buchalter, Sarah, (0), [D. C.].....1130 N. Capitol St.
 Burroughs, Eugene Scott, (83), [Md.].....Clinton, Md.
 Butts, Mrs. Frances Moon, (117), [Va.].....802 R. I. Ave., N. W.
 B.S., 1913, Eastern College.
 *Carr, Helen Eugenia, (0), [Md.]
 914 Kearney St., Brookland, D. C.
 Castillejo, Lino Juan, (101), [Manila, P. I.]....2942 Ordway St.
 †Cherry, Clara Millicent, (48), [Va.].....115 E St., S. E.
 †Cherry, Marie Angela, (48), [Va.].....115 E St., S. E.
 †Colwell, Edna Pearl, (0), [Mich.]
 Room 118, P. G. Bldg., Union Plaza.
 Connell, Lillie Marie, (87), [D. C.].....519 Stanton Place.
 *Cowles, Percy Thomas, (93), [Mass.].....2811 11th St., N. W.
 Crabtree, Eunice Katherine, (0), [D. C.].....1304 Euclid St.
 Crockett, Bessie Lee, (65), [D. C.].....1617 Swan St.
 †Crowder, Naomi, (0), [Va.].....1155 Morse St., N. E.
 Daniel, Helen Lane, (48), [Va.].....2804 27th St.
 Davison, Mrs. Mabel M., (27), [D.] C.].....318 3rd St.
 Dent, Mary Catherine, (104), [D. C.].....3009 P St., N. W.

- Dillenback, Eleanor, (0), [D. C.].....3714 Morrison St.
 *†Dougherty, Helen Mildred, (0), [Pa.].....512 R. I. Ave., N. E.
 *Droney, Vietta Maria, (0), [D. C.].....125 N. C. Ave., S. E.
 Dufour, Arline Hughes, (102), [D. C.].....1343 L St., N. W.
 Duvall, Mildred, (48), [D. C.].....3025 N St., N. W.
 Edic, Margaret Jane, (48), [N. Y.].....3812 7th St.
 *Edwards, Marguerite, (0), [Mo.].....3220 Ga. Ave.
 Emory, Mary Annette, (118), [D. C.].....811 6th St., N. E.
 *Etter, Bess, (10), [Nebr.].....1270 Morse St., S. E.
 Ewer, Maidee, (54), [Cal.].....1141 N. H. Ave.
 *Fairless, Florence Louise, (27), [Ind.].....1418 21st St.
 Fenderson, Mrs. Minnie W., (48), [D. C.].....1864 Monroe St.
 Fravel, Margaret, (0), [Va.].....E. Falls Church, Va.
 *Frazier, Susie Jolley, (48), [Md.].....126 C St., N. E.
 *Frey, Esther Cheradine, (0), [Pa.].....1448 Park Road.
 *Frey, Mabel Joyce, (0), [Pa.].....1448 Park Road.
 Gaddis, Margaret Trimble, (82), [D. C.].....1017 E. Capitol St.
 †Gambs, John Sacke, (35), [Ohio].....2617 University Pl.
 *Garrels, Harriet Elsie, (42), [D. C.].....1110 Fairmont St.
 Getty, Annie Graham, (63), [D. C.].....1647 Hobart St.
 Gibbs, Kate Maria, (114), [Mass.].....3315 12th St., N. E.
 *Gillette, Wilmarth Benedict, (48), [Ala.].....
 *Greenwood, Katherine E., (72), [D. C.].....806 Md. Ave., N. E.
 Gregory, Agnes Josephine, (60), [D. C.].....Olympia Apt.
 *Grubb, Dora Ellis, (0), [Va.].....1426 M St.
 Hardell, Lelia B., (68), [D. C.].....906 P St.
 Harris, Elizabeth, (56), [Ky.].....1906 N St., N. W.
 *Harris, Sophia Vogt, (50), [D. C.].....1669 Columbia Road.
 *Hartshorn, Bertie Eleanor, (0), [Ohio].....2129 F St., N. W.
 *Haslup, Dorothy Lucile, (0), [Md.].....Laurel, Md.
 Henderson, Eleanor, (72), [D. C.].....1630 17th St.
 Hessler, Agnes Bertha, (30), [D. C.].....1358 C St., S. W.
 Hester, Mrs. Laura Pywell, (93), [Va.].....Glencarlyn, Va.
 *Hewitte, Bessie, (0), [Va.].....Cherrydale, Va.
 Hicks, Evelyn Margaret, (48), [D. C.].....114 6th St., S. E.
 Hocheison, Nannette Isabel, (105), [D. C.].....208 E St.
 Hogan, Inez, (48), [D. C.].....115 R. I. Ave., N. E.
 Hoskinson, Dorothy Louise, (48), [D. C.].....1661 Wisconsin Ave.
 Huber, Josephine Marie, (44), [D. C.].....1308 Md. Ave., N. E.
 Huckabee, Henry Grady, (52), [Ala.]..Civil Service Commission.
 Humphrey, Mary Elizabeth, (52), [D. C.].....406 R. I. Ave., N. W.
 Jacobson, Tillye, (30), [D. C.].....1354 Girard St.
 Johnson, Emily Winifred, (55), [Va.].....Cherrydale, Va.
 Johnson, Virginia Head, (86), [D. C.].....1107 O St., N. W.
 Jones, Mrs. Marie MacMillan, (0), [Wash.].....15 Quincy Pl.
 Jones, Miriam Margaret, (6), [N. C.].....107 Second St., N. E.
 Kail, Harriet Randall, (60), [D. C.].....917 Florida Ave.
 *Kalb, Abraham Isaac, (0), [N. Y.].....640 G St.
 Kause, Selma, (62), [Ohio].....1905 Jackson Place, N. E.
 *Kelton, Adelaide, (60), [D. C.].....1827 Kalorama Road.
 Knotts, Iris Cyrene, (30), [W. Va.].....4127 Ill. Ave.
 †Lambert, Robert Eddie, (0), [Ill.].....1347 Newton St.
 *Little, Grace, (0), [Ill.].....1119 10th St., N. W.
 Loman, Mary Eugenia, (48), [Md.].....

Sherman Ave., Takoma Park, D. C.

McCaffrey, Lasalia, (86), [Iowa].....	28 2nd St., N. E.
McCandless, Muriel, (80), [Md.].....	1337 15th St., N. W.
McCarty, Cora, (86), [D. C.].....	1729 H St., N. W.
McPherson, Ruth, (0), [Ala.].....	901 B St., N. E.
†Magruder, Mary, (48), [Md.].....	Olney, Md.
*Maloney, Mary, (48), [Mass].....	1368 S. C. Ave., N. E.
Markley, Mae Adelle, [D. C.].....	136 F St., S. E.
*Martz, Marguerite Ursula, (0), [Md.].....	3039 Dent Place.
Matthews, Etta Helene, (82), [D. C.].....	1233 Euclid St.
Maxson, Evelyn Juliet, (61½), [D. C.].....	647 E. Capitol St.
Meek, Lois Hayden, (64), [D. C.].....	1831 California St.
*Merriken, Margaret Irene, (0), [Md.].....	127 Md. Ave., N. E.
†Miller, Lillian May, (48), [Pa.].....	443 Irving St.
Mortimer, Florence Craigie, (45), [D. C.].....	1141 N. Hampshire Ave.
Mortimer, Lucie Elizabeth, (56), [D. C.].....	1141 N. H. Ave.
†Mulford, Mrs. Bessie Boyd, (107), [D. C.] ..	1731 Columbia Road
Naylor, Evelyn, (54), [D. C.].....	629 12th St., N. E.
Nelson, Clarissa Adelina, (6) [N. D.].....	2524 17th St., N. W.
Newlove, Mrs. Merle White, (68½), [Ill.]	207 D St., N. W.
Newlove, Ivadel Elsie, (23), [N. D.].....	207 D St., N. W.
Nold, Mrs. Marie Gertrude Cuthbertson, (80½), [D. C.]	2204 Evarts St., N. E.
Offutt, Viola, (91), [Md.].....	Bethesda, Md.
Olin, Sarah, (9), [Mich.].....	406 Fontanet Courts.
Orynski, Wanda, (87), [Texas].....	2008 G st., N. W.
Park, Frances, (90), [Mich.].....	807 Taylor St., N. W.
*Parker, Leonora Estelle, (0), [Iowa].....	1223 15th St., N. W.
Payne, Lilly May, (78), [Va.].....	Ballston, Va.
Perlman, Rebecca, (30), [D. C.].....	608 La. Ave., N. W.
*Phegley, Muriel Marie, (0), [Ind.].....	619 Eye St., N. E.
Phillips, Ruth Sutherland, (66), [D. C.]	87 Eastern Ave., Takoma Park, D. C.
Poindexter, Mattie, (48), [Ky.].....	903 L St., N. E.
Pollock, Laura Kersey, (61), [Va.].....	The Victoria.
Prentiss, Margaret Joanna, (96½), [D. C.]....	1720 Oregon Ave.
*Ranahan, Margaret, (0), [Ind.].....	1416 A St., N. E.
Randall, Bernice, (89), [D. C.].....	2035 F St., N. W.
Reed, Margaret Davis, (72), [D. C.].....	2809 14th St., N. W.
Rees, Thomas Richard, (119), [Utah].....	1745 F St., N. W.
Reeve, Laura Washburn, (84), [D. C.].....	1626 19th St., N. W.
Reeves, Ruth Elizabeth, (30), [Va.].....	Falls Church, Va.
Rhodes, Anne Penelope, (0), [D. C.].....	624 G St., N. E.
*Rice, Marguerite, (74), [D. C.]	215 Eastern Ave., Takoma Park, D. C.
Ring, Gretchen, (56), [D. C.].....	1215 Harvard St.
Roberts, Harriet Shepherd, (91½), [Pa.].....	1412 Mass. Ave.
Rodgers, Bertha, (104), [D. C.].....	1445 Mass. Ave.
Rogers, Mrs. Florence Hopkins, (62), [D. C.] ..	1104 Euclid St.
*Rogers, Rebecca Martha, (0), [D. C.].....	3546 13th St.
Ryan, Fannie Merritt, (0), [N. J.].....	Hyattsville, Md.
Sage, Lillian Warfield, (83), [Md.].....	Rockville, Md.
†Schoenborn, Theresa Fredericka, (52), [D. C.]	1359 Harvard St.
Scott, Pauline, (72), [D. C.].....	156 13th St., S. E.
Selah, Miriam Hughes, (76), [D. C.].....	17 3rd St., N. E.
*Shackelford, Mary Fleta, (48), [Ala.]...1346	Quincy St., N. W.
Shaw, Dorothy, (48), [D. C.].....	2932 Macomb St.

*†Shaw, Rebecca Elizabeth, (0), [Mass.].....1020 18th St.
 Sigafoose, Flora Vivian, (58), [Ohio].....1337 15th St.
 Sitler, Margaret Anne, (62), [D. C.] 417 11th St. N. E.
 Smith, Edna Sophia, (69), [Mich.].....16 3rd St., N. E.
 Smith, Margaret Mary, (62), [Md.].....Riverdale, Md.
 †Smith, Maurice Merle, (0), [Okla.] 1808 Kalorama Road.
 *Spearman, Mary, (0), [Mo.].....3220 Ga. Ave.
 *Speiser, Mary Elizabeth, (34), [D. C.].....226 8th St., S. E.
 *Stallings, Mildred Evelyn, (77), [D. C.] ..108 Tenn. Ave., N. E.
 *Stewart, Catherine Maud, (0), [Va.].....E. Falls Church, Va.
 Stewart, Elizabeth Tabb, (84), [Va.].....E. Falls Church, Va.
 Stone, C. L., (112), [D. C.]

Sycamore & Beach St., Takoma Pk., D. C.
 Strayer, Mrs. Jeannette Blaney, (74½), [N. Y.]

2101 R. I. Ave., N. E.
 *Sullivan, Abbie Mary, (0), [Wis.] 922 N St., N. W.
 Terry, Raymond E., (110), [N. Y.] 814 22nd St.
 *Thomas, Mrs. Clara Ida, (67), [D. C.] 1313 Harvard St.
 Thomas, Mrs. Helen G. White, (33), [D. C.] 408 Va. Ave., S. E.
 †Thurman, Barbara, (62), [Ky.] 17 N St., N. W.
 Tonge, Catherine Mary, (60), [D. C.] 1410 Euclid
 Trotter, Katharine Elizabeth, (58), [D. C.]..512 R. I. Ave., N. E.
 Twelxe, Gladys Rosamond, (0), [D. C.].....320 4½ St., S. W.
 Tyner, Ruth, (9½), [Ind.] 1309 Gallatin St.
 Van Dyke, Mabel, (0), [Ohio].....121 N. C. Ave., S. E.
 Votaw, Heber Herbert, (122), [Ohio]

30 Carroll Ave., Takoma Pk., D. C.
 †Walcott, Marie Estelle, (48), [D. C.] 410 6th St., N. E.
 Walker, Carol Louise, (70), [D. C.] 20 16th St., N. E.
 *Wallace, Florence Catherine, (60), [D. C.] ..75 Randolph Place.
 †Walsh, John Bernard, (78), [Mont.] 442 Mass. Ave.
 Walter, Gertrude Elizabeth, (75), [D. C.] 623 E. Capitol St.
 *†Welch, Clara Annette, (0), [Mich.] 1033 Park Road.
 Weyman, Mollie Beers, (92), [D. C.] 1310 Columbia Road.
 Wheatley, Mary Eliza, (74), [Va.] 2138 F St.
 *Wiegand, Regina Sophia, (24), [D. C.] 824 6th St., S. W.
 *Wiltberger, Eugenia B., (85), [D. C.] 601 Taylor St.
 Wolf, Hattie Mary, (38), [D. C.] 626 22nd St., N. W.
 Wolf, Lillian, (24), [D. C.] 626 22nd St., N. W.
 Wolman, Rena, (0), [Md.] 300 R St., N. E.
 Wright, Grace Viola, [D. C.].....The Montgomery.

SPECIAL STUDENTS

Bailey, Theodora C., [D. C.] 3920 Grant Road.
 Bauer, Emma Barbara, [Pa.] 1235 Girard St.
 Butts, Thomas Reed, [W. Va.] 1712 F St., N. W.
 *†Crady, Anna Cecelia, [Md.] 1408 15th St., N. W.
 *Dandy, Mary Alice, [Md.] Hyattsville, Md.
 *Emerson, Blanche, [Iowa] 911 M St., N. W.
 A.B., Coe College.
 *Essling, Cordelia, [Minn.] 722 Taylor St., N. W.
 A.B., University of Minnesota.
 Ford, James Edward, [Md.] Laurel, Md.
 A.B., Ky. Wesleyan College.
 Foss, Mrs. Grace A., (Mass.) 2300 Woodridge St.
 Frazier, Charles, [Va.] 1322 I St., N. W.

Gardner, Elizabeth, [Md.]	Laurel, Md.
*Gleim, Minnie Mae, [Ohio]	1420 N St., N. W.
Howard, Ella Oldham, [Mass.]	2401 Pa. Ave., N. W.
Lancaster, Nelle Elizabeth, [W. Va.]	32 16th St., S. E.
*Lazenby, Laura, [N. C.]	5022 Nebraska Ave.
Lechrone, Dora S., [Pa.]	529 21st St.
A.B., Hood College.	
*Lombard, Ellen C., [Mass.]	213 E. Wardman Courts
*Pepin, Blanche Eleanor, [Minn.]	2141 K St., N. W.
Runyan, Grace E., [Nebr.]	1802 G St., N. W.
Salter, Kathryn Cary, [Fla.]	125 10th St., S. E.
*Smith, Ruth Helen, [Iowa]	4821 Iowa Ave.
*Stockelrand, Albert Knorr, [Md.]	Hyattsville, Md.
A.B., & A. M., Bucknell University.	
Stromberger, Julia Bowie, [D. C.]	1325 Mass. Ave., S. E.
*Sullivan, Agnes E., [Mich.]	1406 Monroe St.
*Watkins, Emma, [Ga.]	110 C St., N. E.
†Welch, Kathryn, [Wis.]	210 E St.
*Woods, Sevah Adrian, [Ohio]	1011 N. H. Ave.
Zinssmeister, Grace Mary, [D. C.]	1364 Girard St., N. W.

SUMMER SCHOOL, 1918

Aaronson, Naomi, [D. C.]	1106 Fairmont St.
Acker, Blanche F., [D. C.]	1517 8th St.
Alexander, Mabel C. [Washington]	2106 F St.
Allen, Ruth Frances, [Neb.]	1460 Monroe St.
*Anderson, Edith, [Ill.]	1229 Connecticut Ave.
Anderson, Katherine, [Kan.]	1442 Fairmont St.
Anderson, Robert N., [Va.]	60 Randolph Pl.
Arledge, Caroline M., [D. C.]	2628 Garfield St.
*Babini, Lorenzo [Italy]	The Argyle
*Bacas, Aris H., [D. C.]	1929 14th St.
*Badger, Cecil H., [Pa.]	509 4th St.
*Bailey, Lillie P., [D. C.]	1513 Eighth St.
*Barr, Martin R., [D. C.]	28 Seaton Pl.
Bartsch, Mrs. Signe G., [D. C.]	1456 Belmont St.
Bates, Edwin, [Ohio]	1323 Vermont Ave.
Bauer, Emma B., [Pa.]	1235 Girard St.
Benfer, Rachel L., [D. C.]	3009 17th St., N. E.
Benham, Edward V., [D. C.]	1002 N. C. Ave., S. E.
Bennett, Ava Laverne, [Ohio]	1774 You St.
Bennett, Jean L., [Ky.]	1301 K St.
Biehl, Bonnie Jean, [Ky.]	142 You St., N. E.
Biehm, Mary, [Ky.]	4 Iowa Circle.
*Blakely, Charles F., [Neb.]	Y. M. C. A.
*Boteler, Charles M., [D. C.]	616 N. Carolina Ave., S. E.
*Bovay, Arthur	226 V St.
*Bradford, K. Lyda, [La.]	1810 Second St., N. W.
Bradley, Doris L., [Neb.]	1410 M St.
Brill, Rose, [N. Y.]	2801 Georgia Ave.
Brooke, Gladys, [Md.]	3335 18th St.
Brown, Janet, [D. C.]	1622 29th St.
*Brown, Wager S., [D. C.]	5301 Connecticut Ave.
Buchman, Eva R. [Iowa]	7417 Blair Road.

- Bullard, Dexter M. [Md.] Rockville, Md.
 Burch, Mittie E., [D. C.] The Portner.
 Burneston, Joseph Lee, [D. C.] 933 E. St., S. W.
 Burros, Morris, [Conn.] 1217 Decatur St.
 Burton, L. E., [Ind.] 1218 Kenyon.
 Burton, Oliver E., [W. Va.] 2303 Pa. Ave., S. E.
 Cabler, Cleveland, [Ark.] 1100 Vermont Ave.
 Campbell, Charles A., [Minn.] 150 Seaton Pl.
 Campbell, Mary A., [Texas] The Cumberland.
 B.A., University of Texas.
 *Carlson, Elsie, [Pa.] 62 W St.
 Carter, Amy, [Ill.] 1615 Florida Ave.
 Castillejo, Lino J. [P. I.] 2942 Ordway St., Cleveland Pk.
 Chaney, Mrs. B. Shanks, [D. C.] ..W. M. College, Takoma Pk.
 B.S., Union College, Neb.
 Charest, Anna M., [Mich.] 526 22nd St.
 *Chesnut, G. S., [Md.] Hyattsville, Md.
 Chu, King, [China] 1916 G St.
 *Clarke, Nell Pray, [Va.] 1445 Massachusetts Ave.
 *Clum, Dorothy H., [Md.] Kensington, Md.
 Cochran, Doris, [Pa.] 2027 First St.
 *Coffey, Margaret, [Ireland] 1906 Florida Ave.
 B.A., Royal University of Ireland.
 Cohn, Marius S., [N. Y.] Indian Head, Md.
 Considine, Margaret E., [N. Y.] Army & Navy Inn.
 Corey, George H., [Pa.] 526 22nd St.
 Costen, Alta, [Md.] 2004 G St.
 Croggon, William N., [D. C.] 636 E St., S. W.
 Crosby, Pearl, [Mass.] 924 Eighth St.
 Cushing, Harriet M., [D. C.] 1629 Q St.
 Cuzzort, Clyde, C., [Ind.] 3819 Keokuk St.
 Dale, Lloyd E. [Neb.] 710 22nd St.
 Darnall, Mrs. J. R., [Md.] Riverdale, Md.
 Davis, J. W., [Penn.] 2032 F St.
 De Frees, Raymond G., [D. C.] 2425 N. Capitol St.
 Dehler, Alma, [Mo.] 3427 Holmead Pl.
 Dehler, Maris L., [Mo.] 3427 Holmead Pl.
 Demopoulos, Christos John, [Greece] 434 K St.
 Dempsey, James B., [Kan.] 903 23rd St.
 *Douglas, Elsie, [Fla.] 2129 G St.
 Dresser, Eugene F., [Ill.] 14 Crescent Pl., Takoma Pk.
 A.B., Washington Missionary College.
 Duff, Evelyn, [Mich.] 1412 Chapin St.
 Dyson, A. Eloise, [Md.] 1110 15th St.
 Eddins, Robert E., [Ala.] 22 T St.
 Edelstein, Benedict M., [Pa.] 600 Tennessee Ave., N. E.
 *English, George W., Jr., [Ill.] 1333 15th St.
 Erickson, Cyrus H., [Wis.] 1103 245th St.
 Ph.B.,
 Estes, Ethel, [Ark.] 901 Allison St.
 Fern, Edwin S., [Iowa] 620 22nd St.
 Field, Rosalie, [Miss.] 339 House Office Bldg.
 Fihe, Albert J., [Ky.] 922 23rd St.
 A.B., St. Xavier College.
 *Frederick, Edith M., [Pa.] 1458 Park Road.

*Freedman, Leopold, [N. Y.]	3111 M St.
*Freeland, F. Bernard, [S. D.]	1211 H St.
Friedman, S., [D. C.]	701 E St., S. W.
Gardner, Warren A., [N. Y.]	1719 G St.
Garman, Frank R., [Pa.]	2645 N. Capitol
Gatchell Raymond, [D. C.]	3209 19th St.
*Gantt, Edna, [Md.]	1214 Lamont St.
Gebhart, Arthur I., [Pa.]	2112 G St.
Genstein, Edgar S., [N. Y.]	1424 Perry Pl.
Gerber, Simon, [D. C.]	1339 H. St.
Geschickter, Charles, [D. C.]	1222 Connecticut Ave.
Gibson, Mary Maude, [Ga.]	5110 13th St.
Gill, Minna, [D. C.]	The Vivans, 1723 G St.
Glueck, Moritz S., [Wis.]	1115 P St. N. W.
Grantham, Victor Hugo, [N. C.]	315 Penn. Ave., N. W.
Gray, Edith M., [N. J.]	207 Third St. N. E.
Greenblatt, Philip, [Pa.]	640 G St., N. W.
Greenup, Nell, [Mo.]	1450 Newton St., N. E.
Gross, Richard J., [Ohio]	39th & Window Pl.
Gwynn, Marion Hayes, [S. C.]	Lwellyn Apt., 23rd & F.
Halpenny, Ruth L., [D. C.]	165 V St., N. E.
Hansen, Dora, [Minn.]	Vienna, Va.
Harnsberger, Charles W., [Va.]	R. D. 1, Rosslyn, Va.
Harris, Sophia Vogt, [D. C.]	1669 Columbia Road
Harrison, Lewis I., [Conn.]	1015 N St.
Hartman, Arthur M., [D. C.]	1414 Girard St.
*Hartwick, Ralph, [Ill.]	50 Seaton Pl.
Harvey, Arthur, [Ohio]	2816 27th St.
Hastings, George S., [D. C.]	3600 Ordway St.
Hastings, Gertrude, [D. C.]	905 B St., N. E.
Hauke, Edna E. [D. C.]	605 Mass. Ave., N. E.
Hauke, Rilla M., [D. C.]	605 Mass Ave., N. E.
Hayden, Mary E. [D. C.]	706 8th St., N. W.
Hazen, Joseph H., [N. Y.]	1352 Kenyon St.
Heal, Bernice, [Ind.]	15 14th St., S. E.
*Hearn, Janie, [Ga.]	1412 Mass. Ave.
Heitmuller Elizabeth R.,	1307 14th St., N. W.
Heitmuller, Marian R.	1307 14th St., N. W.
Hendrick, Nell, [Ky.]	3744 Oliver St., Chevy Chase, D. C.
Henry, J. Maurice, [Va.]	337 N. Carolina Ave, S. E.
Hester, Mrs. Laura P., [Va.]	Glencarlyn, Va.
Hiatt, Charles Edward, [N. C.]	1712 18th St.
*Hillig, Fred H., [Ill.]	24 Grant Pl., N. W.
Hocheisen, Nannette I., [D. C.]	208 E St.
Hodgkins, Bradley D., [D. C.]	2006 N St.
Hollender, Ben, [Cal.]	G. W. U. Med. School.
Holmes, Grace Bruce, [Md.]	721 Shepherd St.
Hoover, Elbert C., [D. C.]	43 Adams St.
Hopkins, Ira J., [Utah]	113 Maryland Ave, N. E.
Howard, Ella O., [Mass.]	2219 Eye St.
Hubbard, Mabel E., [Md.]	112 Quincy St., Chevy Chase, Md.
Hubel, Nelson E.	1420 R St.
Huginin, Hester, [Minn.]	2219 Eye St.
A. B., Minn.	
*Humbel, E. O., [D. C.]	1439 Massachusetts Ave.
Hummer, Marion, [D. C.]	1010 Mass. Ave., N. E.

- Hunter, Octavia, [La.] 1901 N. H. Ave.
 A. B. Brenau College.
- Hurd, Mrs. Grace L., [D. C.] 1806 Lawrence St., N. E.
- *Hurlburt, Clifford S., [Conn.] Naval Med. School.
- Hurst, Leonara, [Ky.] 1234 Eye St., N. E.
- Hutchinson, Florence P., [D. C.] Apt. 42, 2300 18th St.
- Hyer, Mrs. Grace, [Ohio] 1332 9th St.
- Jackson, Franklin J., [D. C.] 1017 K St.
- Jacobs, Louella, [Pa.] 401 Seward Sq., S. E.
- Javellana, Jose B., [P. I.] 115 5th St., N. E.
- Jensen, Emma A., [Ill.] Box 812 11th St. Sta.
- Jiron, Maria, [Md.]....Wash. Missionary Coll., Takoma Pk., Md.
 B.A., Washington Missionary College.
- Johnson, Elsie E., [N. Y.] 1860 California St.
 B.L.E., Syracuse University.
- Jones, F. Marion, [Kan.] 1323 Vermont Ave.
- Kalupy, Harry H., [Wis.] 2020 G St.
 L.L.B., Georgetown University.
- Kampe, Albert H., [Mich.] 1002 M St.
- Keiser, Clarence C., [Md.] Chevy Chase Branch, D. C.
- Kelly, Chester F. [N. Y.] Census Bureau.
- Kendall, Leonard A., [Iowa] 620 22nd St.
- *Kirschner, Samuel, [N. Y.] 1700 L St.
- *Kline, William M., [Pa.] 937 Mass. Ave.
- Korchien, Ella S., [N. Y.] 475 H St.
- Krieg, Alfred C., [D. C.] 3717 Georgia Ave.
- *Kurtz, Thelma E., [N. Y.] . . .2024 King St., Alexandria, Va.
- Laddon, Misha, [D. C.] 237 H St., N. E.
- *Laird, Ruth J., [Pa.] 62 W St.
- Lambrecht, Herbert F., [N. J.] 406 First St., S E.
- Langelotti, Frank, [N. Y.] 2114 H St.
- Lansche, Elmer A., [Ill.] 1403 12th St.
- Lennon, M. Lafayette, [Tenn.] Cherrydale, Va.
 A. B., Union University, Tenn.
- *Lew, Albert A., [Ill.].....4434 Kansas Ave., N. W.
- Long, A. Victor, [Pa.] 2135 F St.
- Long, Stewart, [Md.] Laurel, Md.
- Louis, Max C., [D. C.] 47 Quincy Pl.
- Luckett, James D., [Ind.].....1905 15th St.
- *Lynch, M. F., [D. C.] 128 East Capitol St.
- Lyons, John M. Md., [D. C.] Emergency Hospital
 M.D., George Washington University.
- *McCaffrey, Lasalia L., [D. C.] 28 Second St., N. E.
- McCeney, Louise, [Md.] Sliver Spring, Md.
- *McClintock, L. Madeline, [Pa.] Bureau of Fisheries
- McCloskey, William T., [D. C.] 1421 F St.
- McCormick, L. J., [D. C.] 1377 N. Carolina Ave., N. E.
- McDannel, Lucy Churchill, [D. C.].....1801 16th St.
- McGehee, Mary, [Ala.] 714 Allison St.
- McGuire, O. R., [Va.] Cherrydale, Va.
- McKendree, Laurette, [N. H.].....1300 Fairmont St.
- McKenzie, Doris, [D. C.] 2118 F St.
- McMullen, Vincent W., [D. C.] 237 14th St., S. E.
- *Macon, Dorothy E., [D. C.].....1305 R. I. Ave.
- Mahoney, John, [Neb.] 32 Randolph Pl.

- *Martin, Howard H., [Ill.] 1100 Vermont Ave.
 Merrihew, Orrel L., [Cal.] 515½ 22nd St.
 Miller, Ralph F., [Pa.] 338 Md. Ave., N. E.
 *Miller, Ruth, [Ind.] 1138 12th St.
 A.B., Indiana University.
 Mills, Eddie L., [Texas] 2002 G St.
 Miner, Helen, [Ohio] 1613 Irving St.
 *Moneyway, James Lewis, [Ala.] 3212 19th St.
 A.B., George Washington University.
 Moon, Mrs. Annie, [Va.] Montgomery Apts, N. Capitol & M.
 Moore, Frank D., [D. C.] 1324 Euclid St.
 Moore, Mildred J., [Va.] 111 Tennessee Ave., N. E.
 *Morawski, Arthur L., [Mass.] 442 Mass. Ave.
 Morgan, Ivan W., [Pa.] Y. M. C. A.
 Mulford, Bessie B., [N. J.] 1731 Columbia Rd.
 Munger, Hester I., [Minn.] 1339 Montague St.
 *Murray, Florence, [D. C.] Wardman Courts East.
 *Newcomb, Mary A., [D. C.] 144 12th St., N. E.
 A.B., George Washington University.
 Newton, Mary Alicia, [D. C.] The Concord, N. Hampshire Ave.
 Niemeyer, Ernestine H., [D. C.] 1708 Lawrence St., N. E.
 Nold, Mrs. Marie C., [D. C.] 2204 Evarts St., N. E.
 *Norris, Helen, [Md.] 1811 Wyoming Ave.
 Notter, Lucy, [D. C.] 2007 Girard St. N. E.
 Noyes, Martha, [Penn.] The Iroquois, Apt. 102.
 O'Dea, Marie E., [D. C.] 1203 Orren St., N. E.
 Ogden, Walter, [N. Y.] 818 17th St., N. W.
 Omeltchenko, Eugene I., [Russia] 1634 S St.
 Osborn, Clarence C., [S. D.] 412 A St., S. E.
 Padgett, Katherine D., [Md.] 1610 Newton St.
 Pennington, Mrs. John D., [N. Y.] 1699 31st St.
 Pepin, Blanche E., [Minn.] 216 Rock Creek Church Rd.
 Phelps, Rose B., [Mich.] 215 Rock Creek Church Rd.
 *Pluecker, Ethel M., [Conn.] 1458 Park Rd.
 Poling, Robert B., [Ohio] 1804 33rd St.
 A.B., Ohio University, Athens, O.
 Pollock, Laura K., [D. C.] Victoria Apt.
 Pugh, Louise, [D. C.] 1802 R St.
 Pyle, Elizabeth, [D. C.] 3319 Newark St.
 Randall, Bernice, [D. C.] 2035 F St.
 Reh, Emma, [D. C.] 1210 Delafield Pl.
 A.B., George Washington University.
 Reitzel, Albert E., [N. C.] 1311 L St.
 Reynolds, Francis C., [D. C.] 3038 Dunbarton Ave.
 Rice, Irene, [Md.] 506 Warwick Pl., Chevy Chase.
 A.B., Goucher College.
 Richardson, Elizabeth, [D. C.] 1001 Alabama Ave., Congress Heights.
 Rinker, Jacob A., [Ill.] 303 11th St., S. W.
 B. S. Eureka College, Ill.
 Riordan, Katherine, [Md.] Gaithersburg, Md.
 Rockow, Lewis, [Wis.] 509 L St., N. W.
 Rogers, Agnes Mary, [Md.] Hyattsville, Md.
 *Rollins, Gilbert E., [Va.] Potomac, Va.
 *Rollyson, Hoy D., [W. Va.] 1224 15th St.

- Romhilt, Helen, [Ind.] 2011 Franklin St., N. E.
 Runyan, Grace, [Neb.] 911 L. St., N. E.
 *Ruth, Earl Arnim, [Va.] 1916 16th St.
 *Sagan, Miss Rae, [Conn.] 1426 M St.
 Sage, Loretta F., [Mich.] Chevy Chase Branch, D. C.
 Sanborn, Rebekah, [D. C.] 1000 Douglas St.
 Satterfield, Cornelia, [Tenn.] 1225 L. St., Apt. 8.
 Schaeffer, Archie N., [Ill.] 120 Maryland Ave., N. E.
 B. S., Wesleyan University.
 Schulz, George J., [Md.]...Md. State College, College Park, Md.
 A. B., George Washington University.
 See, Ernest A., [W. Va.] 109 E St., N. W.
 Sellers, Mrs. Stella C., [Va.] The Alabama.
 Shafer, William, [Ill.] 1430 V St.
 LL. B., LL. M., M. P. L.
 *Shea, Miss Shellee, [Ky.] 142 You St., N. E.
 Shiya, George, [Ohio] 937 Mass. Ave.
 Simmons, R. Nelson, [Minn.] 1404 M St., N. W.
 Simmons, William V., [Miss.] 109 Maryland Ave., N. E.
 Sims, Lloyd C., [Wash. State] 725 20th St.
 Smith, Estelle Howes, [N. Y.] 707 22nd St.
 B. S., Columbia University.
 Smith, H. Stewart, [D. C.] 421 S St., N. E.
 Smith, Linton Millerd, [Ill.] 1320 Monroe St.
 B. S., Shurtleff College, Alton, Ill.
 Smith, Louise J., [W. Va.] 1826 Lamont St.
 A. B., George Washington University.
 Smith, Margaret M., [Md.] Riverdale, Md.
 Smyth, Allie, [Texas] The Cumberland.
 Sondergaard, Arrnsa, [D. C.] 501 Upshur St.
 Sorensen, Agnes L. [Md.] Washington Miss. College, Takoma Pk., Md.
 Sorenson, Christian M., [Md.] Flower Ave., Takoma Pk.
 A. M., George Washington University.
 Spear, Albert A., [D. C.] 4 Sixth St., N. E.
 Spears, Leo S., [Fla.] New Berne, Apt. 4.
 Stecher, Karl, [Kan.] Y. M. C. A.
 A. B., George Washington University.
 Stemen, Wm. Russell, [Wis.] 2203 K St.
 Stewart, Mabel, [D. C.] 127 Third St., N. E.
 Stoddard, Ida, [Wis.] 1822 N. H. Ave.
 Stone, Charles L., [D. C.] 411 Cedar St., Takoma Pk.
 Storner, Vivian, [Mass.] 1228 Irving St.
 Stout, Robert W., [Md.] Poolesville, Md.
 Stretch, Clarence L. 2015 G St.
 Styer, Ralph A., [Pa.] 1354 Monroe St.
 Sullivan, Agenes, [Mich.] 2207 First St.
 Sullivan, Ruth, [Va.] 4115 7th St.
 A. B., Fredericksburg, C. I.
 Sun, T. L., [China] 2001 19th St.
 Swindells, Frank E., [D. C.] 3426 MacComb St.
 *Tanner, La Rue E., Mrs. [Kan.] 937 Mass. Ave., N. W.
 Thompson, Charles N., [D. C.] 928 Eighth St.
 Tibbitts, Gordon Chase, [Wis.] 321 Essex Ave., Chevy Chase.
 Tonkin, Maurice B., [D. C.] 2121 15th St.

Tourelle, Henriette, [France]	1348 Irving St.
Tripp, Helen J., [Mass.]	2329 N St.
Van Ness, Ethel, [N. J.]	1322 L St.
Van Wagoner, John D., [Utah]	1736 G St.
LL.B., George Washington University.	
Van Waters, Sherwood P., [N. Y.]	1238 Vermont Ave.
Vickers, Rose, [D. C.]	3122 Q St.
Volland, Elmer, [D. C.]	839 Rittenhouse St.
Wahler, Leonard A., [Wis.]	2203 K St.
Wallick, Earl W., [Ill.]	2128 H St.
Wan, George [China]	320 Maryland Ave., N. E.
M.A., Johns Hopkins University.	
Watzman, Percy, [D. C.]	25 Eye St., N. E.
Weber, Elsa, [D. C.]	802 Taylor St.
A.B., George Washington University.	
*Weers, Leland H., [Ill.]	3427 Holmead Pl.
Wentz, H. Harry, [Minn.]	625 Y. M. C. A.
Weschler, Maurice E., [Md.]	1243 Monroe St., N. E.
*Wesely, Emma, [Iowa]	1814 Ingleside Terrace
*Wesely, Genevieve, [Iowa.]	1814 Ingleside Terrace.
Weyman, Mollie Beers, [D. C.]	1310 Columbia Rd.
Wheatley, Mary E., [Va.]	2138 F St.
Whyte, Eunice, [D. C.]	935 M St.
*Wilhite, Siegel, [Ill.]	1035 20th St.
Willcox, Emma P., [D. C.]	The Thomas, Thomas Circle
*Willey, Martha C., [Oregon]	2101 F St.
Williman, Frank L., [D. C.]	308 Kenos Bldg.
Wilson, Norman R., [Kan.]	65 Overlook Ave., Belleville, N. J.
Wolt, Helen J., [Neb.]	2715 14th St.
Wright, Grace Viola, [D. C.]	The Montgomery.
Wu, Bing Sang, [China]	2023 Kalorama Rd.
Young, Augusta Freeman, [N. D.]	1830 16th St.
Yung-Kwai, Elizabeth, [D. C.]	3312 Highland Pl.

SUMMARY

Graduate Students

Students in attendance	25	
Candidates for S.M. degree	16	
Candidates for A.M. degree	47	
Candidates for Ph.D. degree.....	35	123

UNDERGRADUATE STUDENTS

Columbian College

Candidates for A. B. degree	460	
Candidates for B. S. in Med. degree.....	21	
Pre-Medical	47	
Special	760	1288

College of Engineering

Candidates for B. S. in Arch. degree	11	
Candidates for B. S. in Chemistry degree	51	
Candidates for B. S. in Ch. E. degree	25	
Candidates for B. S. in C. E. degree	54	
Candidates for B. S. in M. E. degree	32	
Candidates for B. S. in E. E. degree	65	
Special	147	385

Teachers College

Candidates for A. B. and Teacher's Diploma	185	
Special	29	214
Summer School, 1918	308	2010

Professional Schools

Medical School	109	
Dental School	125	
Law School	425	659

Total	2669	
Duplicates	40	

Student Army Training Corps	441	2629
United States Navy Unit	50	
	491	

MEDICAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

An asterisk (*) before a name indicates student not in attendance throughout the year.

First Year

Baker, Henry Merton	(D. C.)	8 Columbia Ave., Takoma Pk., D. C.
Bradshaw, George Hardiman	(Mass.)	453 Mass. Ave
Cole, Eugene Hazen	(D. C.)	639 East Capitol St.
Davis, Joshua William	(Pa.)	2032 F St.
Fletcher, Travis Leigh	(Va.)	1808 Kalorama Rd.
Gaines, John Marshall	(Va.)	114 N. Alfred St., Alexandria, Va.
Gates, Herbert Stelwyn	(D. C.)	808 N. Cor. Ave., S. E.
Goldfain, Samuel	(D. C.)	1418 Columbia Rd
Jacobs, Merlin Edwin	(D. C.)	3425 Porter St.
Jones, Robert Varnum	(Mich.)	2448 18th St.
Kain, Helen Gladys	(D. C.)	129 E St. N. W.
Macina, Louis de Raymond	(Conn.)	1468 R. I. Ave
Nordlinger, George	(D. C.)	3113 N St. N. W.
*O'Connor, Thomas Chas. Jr.	(D. C.)	1627 Mass. Ave.
Peterson, Norman Vern	(Utah)	1331 Newton St., Brookland, D. C.
Riedel, John Adams	(Pa.)	1320 Corbin Pl., N. E.
Sager, William Warren	(D. C.)	2823 14th St.
Schwartz, Paul John	(D. C.)	453 Mass. Ave.
Stretch, Clarence Loughlin	(Conn.)	2015 G St. N. W.
Taylor, Robert Mitchell	(D. C.)	1240 Pa. Ave. S. E.
Wachter, Edgar Barb	(Md.)	451 Mass. Ave.
Wilson, Hazen Harry	(D. C.)	4004 Ga. Ave.
Zack, Archie Rayfield	(D. C.)	211 9th St. N. W.

Second Year

Barrows, Victor Ira	(Vt.)	1322 Vt. Ave.
Bowen, Wilbur Lorenzo	(Va.)	1654 Hobart St.
Brenes, Alfred Mario	(C. R.)	1115 Eye St.
Cadilla, Arturo	(P. R.)	1102 13th St.
Castro, Herman Rawson	(C. A.)	1115 Eye St.
Clark, Adrian Earl	(D. C.)	15 Sycamore Ave.
Demopoulos, Christos J.	(D. C.)	800 K St.
Dubrowsky, James Leon	(Ill.)	1102 13th St.
Eisinger, Walter Senge	(D. C.)	3603 Wisconsin Ave.
Epstein, Nathan	(D. C.)	946 R. I. Ave.
Fischer, Aubrey David	(D. C.)	1744 Lanier Pl.
Glenn, Joseph Burton	(D. C.)	1438 Meridian Pl.
Grozin, Maurice	(Ohio)	1222 11th St.
Guynn, Roy Frederick	(Va.)	1322 Vt. Ave.
Herzmark, Maurice Hart	(D. C.)	1631 Newton St.
Hopkins, Ira Jay	(Utah)	320 Md. Ave. N. E.
Ibrahim, Abd El Malik	(Egypt)	1334 11th St.
Johnson, Mrs. Regena Cook	(Md.)	1814 G St.
Jones, Waldo Hilman	(D. C.)	3625 10th St.

Lide, Lewis Maxwell	(D. C.)	1318 11th St.
Machlan, Harold Foor	(D. C.)	Takoma Park
Marchena, Ricardo	(C. R.)	1115 Eye St.
Masson, Clement	(N. Y.)	2813 11th St.
Mayers, Mrs. May Riokin	(D. C.)	1215 10th St.
*Schvey, Henry	(N. Y. C.)	1324 Q St.
Slutsky, Benj. Lloyd	(Conn.)	809 6th St.
Sonneland, Sidney Gaylow	(D. C.)	1322 Vt. Ave.
Tibbets, Lyman Brooke	(D. C.)	Sibley Hosp.
Woolgar, Wm. A. Davis	(D. C.)	121 Willow Ave.

Third Year

Baker, Wallace Bruce	(D. C.)	326 Fla. Ave. N. E.
*Beck, Richmond James	(D. C.)	108 3rd St. N. E.
Bland, William Marshall	(Va.)	3754 McKinley St.
Bradley, Everett Lamont	(D. C.)	2330 California Ave.
Campbell-Chatterton, George J. B.	(Texas)	Garfield Hosp.
Crespo, Jose E.	(P. R.)	1115 Eye St.
Dazey, George Kendall	(Texas)	1322 Vt. Ave.
Duffie, Don Hastings	(D. C.)	Takoma Pk, D. C.
Freeland, Fred Bernard	(D. C.)	1814 G St. N. W.
Goodman, William Dennis	(Va.)	Emergency Hosp.
Griffith, Harold Moore	(Pa.)	Garfield Hosp.
Hayes, Thomas Hirst	(Va.)	307 S. Lee St., Alex., Va.
Howe, Julian Menzo	(N. Y.)	Washington Asylum Hosp.
Hollander, Ben	(Cal.)	G. W. U. Hosp.
Hollingsworth, Russell K.	(D. C.)	1364 Girard St.
Klemme, Roland M.	(Ill.)	1335 Vt. Ave.
Li, Kang	(China)	2014 Kalorama Rd.
King, Charlton R.	(Ala.)	Casualty Hosp.
Mandelos, Nicholas A.	(D. C.)	811 14th St. N. W.
McKenzie, John Ernest	(S. C.)	Washington Asylum Hosp.
Munoz, Roque N. A.	(C. A.)	909 L St. N. W.
Myers, Franklyn Hammett	(D. C.)	3754 McKinley St.
Newcomer, Emmett E.	(Pa.)	Garfield Hospital
Phillips, John William	(N. C.)	909 13th St.
Pitt, William Franklin	(N. C.)	1335 Vt. Ave.
Pittman, Henry Lee	(N. C.)	116 W. Lee St., Balt., Md.
Ramsey, Herbert Percy	(D. C.)	813 Mass. Ave N. E.
Scala, Norman P.	(D. C.)	918 S. C. Ave. S. E.
Stibbs, H. Weston B.	(N. Y.)	537 21st St.
Thompson, Thomas Carlton	(Pa.)	Emergency Hosp.
Williman, Frank Louis	(D. C.)	308 Kenois Bldg.
Zerbe, Jack Bertolet	(Pa.)	Box 53, Fairfax, Va.

Fourth Year

Barone, Charles J.	(Mich.)	G. W. U. Hosp.
Bassett, George Overton	(D. C.)	Garfield Hosp.

Beachley, Ralph Gregory	(Md.)	Children's Hosp.
Campbell, Elliott Muse	(D. C.)	Emergency Hosp.
Crisp, Thomas Benton, Jr.	(D. C.)	G. W. U. Hosp.
Gardner, William Clifford	(Pa.)	Columbia Hosp.
Hottel, Robert Roy	(Md.)	Sibley Hosp.
Kreiselman, Joseph	(Ohio)	G. W. U. Hosp.
Leetch, Henry Winship	(D. C.)	1697 31st St.
Oden, Axel Robert	(D. C.)	1730 M St.
Shapiro, Hyman David	(D. C.)	Garfield Hosp.
Smart, James Alexander	(Va.)	Garfield Hosp.
Smiler, Nathan Norman	(D. C.)	Emergency Hosp.

Special Students

Hartshorn, Victor	(D. C.)	903 Webster St.
Tate, Mrs. Bindon Colonna	(D. C.)	140 B St. N. E.

SUMMARY

First Year	23	
Second Year	29	
Third Year	32	
Fourth Year	13	
Special	2	99

DENTAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF DENTAL SURGERY

An Asterisk (*) before a name indicates student not in attendance throughout the year.

Freshman Class

Arends, Frederick Louis	(Mich.)	1005 E St., N. E.
Barnhard, James L.	(Arizona)	1225 N. Y. Ave.
Blank, Samuel Harry	(N. J.)	809 9th St.
*Bleiker, Ross Franklin	(Mo.)	1013 20th St.
*Butts, Charles Shannon	(Va.)	Hotel Stratford
Bonnett, John Albert	(Ohio)	1212 12th St.
Chase, William	(Russia)	4127 N. H. Ave.
Cornelison, Orpha	(Fla.)	26, The Ventosa
Christopherson, Alvin R.	(Utah)	Hamilton Hotel
Detweiler, Daniel Landis	(Va.)	Herndon, Va.
Dove, Ronald Cross	(R. I.)	1213 H St.
Glew, Donald Henry	(Iowa)	1008 Euclid St.
*Gonzalez, Louis	(P. R.)	1115 Eye St.
Lewis, William Eberly	(D. C.)	1617 Irving St., N. E.
McClarnon, Paul Thomas	(N. Y.)	1213 H St.
Specks, Isadore	(Col.)	1418 Columbia Rd.
*Withrow, Ollie	(Va.)	322 D St., N. E.
Wolf, Morris	(D. C.)	626 22nd St., N. W.

Sophomore Class

Burke, William Francis	(Mass.)	2514 13th St.
Byer, Nathan	(N. J.)	440 M St.
*Doyle, Daniel Edward	(Mass.)	913 L St.
Garcia, Francisco Greyorio	(P. R.)	905 13th St.
*Gates, Thomas David	(D. C.)	808 N. C. Ave., S. E.
*Gray, Marion Houghton	(Fla.)	G. W. Inn
Hammond, Bennett	(Penn.)	1845 Monroe St.
Isserlis, Simon Harris	(Mass.)	3134 19th St.
Jones, Cyril	(N. Y.)	913 L St.
Leifer, Edward David	(N. Y.)	1411 Harvard St.
Long, Philip Raphael	(N. Hamp.)	2514 13th St.
*Lubore, Jacob	(D. C.)	927 P St.
Moore, William Siebert	(N. Y.)	61 Eye St.
Notes, Louis	(D. C.)	302 M St.
*Ray, Claude M.	(D. C.)	913 L St.
Roland Daniel Lynton	(Penn.)	913 L St., N. W.
Rosenblum, Alexander	(N. J.)	704 M St.
Themper, Joseph	(Conn.)	1222 11th St.
Voelker, Joseph William	(D. C.)	1451 8th St.

Junior Class

*Avidan, Harold	(N. J.)	1335 H St.
Chiger, Marian	(N. J.)	1119 6th St.
Cohen, Frank J.	(Mass.)	809 12th St.
Cone, Nathan	(N. J.)	715 R. I. Ave.
*Grossman, Louis	(N. Y.)	3165 18th St.
Holstein, David	(N. J.)	1105 6th St.
*Hurwitz, Major Jonah	(N. J.)	1105 6th St.
Jeskowitz, Frances R.	(N. Y.)	1119 6th St.
Marcus, Callie K.	(N. J.)	1105 6th St.
Marks, Emil	(N. J.)	1105 6th St.
Marr, William Walter	(D. C.)	1815 Vernon St.
Olinger, Maurice	(N. J.)	715 R. I. Ave.
Pashkow, Harry	(N. J.)	1105 6th St.
Phillips, Abraham I.	(N. J.)	1105 6th St.
Silberberg, Morris	(N. J.)	1228 S St.
Singer, Morris M.	(N. J.)	1105 6th St.
Solow, Leo	(N. Y.)	715 R. I. Ave.
Sontag, William	(N. J.)	1105 6th St.
Swanson, Henry Albert	(N. D.)	1233 C St., N. E.
Weber, Louis M.	(N. J.)	1228 S St.

Senior Class

Austin, David Scott	(N. Y.)	922 Eye St.
Baker, DeWitt T.	(Texas)	1439 T St.
Boston, John Armistead	(Va.)	1102 L St., N. W.
Brown, Nathaniel Hawthorne	(N. J.)	1330 13th St.
Cheely, Walter Cuthbert	(Col.)	1741 G St.
Coghlin, Julia Sylvia	(Mass.)	1006 11th St.
Dailey, Frank Leonard	(Wash.)	2106 F St.
Donovan, Edward Harold	(Mass.)	1318 Mass Ave.
Dull, John Wesley	(Penn.)	2140 H St.
Erikson, Bernhard Edwin	(Ill.)	2112 F St.
Genesse, Louis J.	(N. Y.)	944 K St.
Gorton, William Howard	(N. Y.)	1820 K St.
Greene, Robert E.	(N. Y.)	1301 K St., N. W.
*Harrington, George Elliott	(D. C.)	461 Conduit Rd.
Hunt, Elliott Albert	(N. J.)	617 7th St.
Inbender, Charles	(N. Y.)	942 R. I. Ave.
Jailer, Mark	(N. Y.)	942 R. I. Ave.
Kaplan, Jacob Sol	(N. J.)	942 R. I. Ave.
Katzman, Samuel	(N. Y.)	1726 P St.
Kelly, Clarence E.	(Mo.)	1820 K St.
Link, Bernard	(N. Y.)	431 M St.
McCullough, Robert William	(Md.)	1322 6th St.
Mitchell, James Francis	(R. I.)	1105 C St. S. W.
Morrison, Ralph Lancaster	(Md)	Seat Pleasant, Md.
Moskowitz, Benjamin	(N. J.)	1105 6th St.
Ozawa, Shigern	(Japan)	1 Iowa Circle
*Powell, William Henry	(Va.)	The Plymouth
Richman, Ivan Hjalman	(Minn.)	716 13th St.
Rhodes, William Sidney	(Va.)	1603 16th St.

STUDENTS

Saferstein, George J.	(N. J.)	1105 6th St.
Schantz, Emanuel	(N. J.)	715 R. I. Ave.
Sechrist, Noah Cleveland	(Penn.)	1772 Williard St.
Stiefel, Charles V.	(Va.)	Cherrydale, Va.
Sullivan, Walter Daniel	(Mass.)	1328 Mass. Ave.
Thomas, Charles Lenton	(Texas)	1733 20th St.
Veintraub, Jacques	(N. J.)	431 M St.
Walzl, Carl W.	(D. C.)	1231 H St. N. E.
Wheelock, Carl Randall	(Ohio)	1212 12th St.
White, Earle B.	(D. C.)	332 Seaton Pl.
Witt, Charles Ralph	(Ind.)	1227 N St. N. W.

SUMMARY

First Year	18	
Second Year	19	
Third Year	20	
Fourth Year	40	97

STUDENTS REGISTERED IN THE LAW SCHOOL

1918-1919

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 1, 1917, by daggers.

Students who are college graduates are indicated by the degree, year in which it was received, and name of college conferring it.

Students who have had only part of a college course are indicated by the names of the colleges attended.

CANDIDATES FOR DEGREE OF BACHELOR OF LAWS

First Year Class

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†Abbott, John Simpson, Jr.	(D. C.)	1619 R Street
Allen, John Leudon	(Okla.)	1105 E Street, S W.
Baines, Thelma Anna	(D. C.)	156 R Street, N. E.
*Baker, Samuel Harry, Jr.	(Ill.)	2309 Washington Circle
*Ballinger, Edwin Ray	(Colo.)	1436 Meridian Street
Barnes, Charles Maurice	(Va.)	1436 Meridian Street
A.B., 1910, George Washington University		
Baruch, Ismar	(Conn.)	1114 Euclid Street
Ph.B., 1915, Brown University;		
A.M., 1916, Princeton University.		
Beall, Dorothy Joyce	(D. C.)	73 You Street
Berry, Sydney Griswold	(N.J.)	2641 Garfield Street
Ch.E., 1916, Columbia University.		
Bielskis, Julius John	(D. C.)	703 15th Street
N.D., 1914, Blumer College of Natureopathy		
**Blewett, Willard Kirtland	(Va.)	1403 King Street Alexandria, Va.
†Boardman, Jean Melmouth	(Ill.)	1225 Euclid Street
*Boswell, Margaret Brainerd Morgan	(D. C.)	238 New Jersey Avenue
*Breidenbach, Samuel Heavrin	(Ky.)	2017 H Street
Brodie, Jennie Zelda	(Md.)	4005 14th Street
Johns Hopkins University		
Buck, Edith L.	(Ill.)	1343 15th Street
*Bullock, Ora Mae	(Wash.)	3631 Warder Street
College of Puget Sound		
*Burns, Earl Franklin	(Wash.)	Indian Office

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Burros, Morris	(Conn.)	1145 8th Street
Burton, William Cameron George Washington Uni- versity	(D. C.)	424 8th Street, N. E.
*Caldwell, Mattie Belle	(Ala.)	1022 11th Street
Carroll, Ida Olive	(D. C.)	1302 L Street
*Caulkins, Edward Dana A.B., 1913, University of Rochester; George Washington Uni- versity	(N. Y.)	3413 13th Street, N. E.
Cerceo, Alfred	(N. Y.)	110 E Street
Chang, Tien-Ze	(China)	930 K Street
Clark, Thomas Young B.S., 1918, Earlham College	(Ind.)	1124 Park Road
Colbert, Mary Adeline	(Ind.)	1623 Massachusetts Avenue
Cole, Francis Arthur Central College, Pella, Iowa	(Ia.)	1315 N Street
Cone, Gilbert Augusta	(Texas)	1229 8th Street
Connelly, Mary Magdalen	(N. Y.)	1809 Kalorama Road
*†Cothran, Plumer Curry	(S. C.)	216 New Jersey Ave- nue
*Cotlow, Louis	(N. Y.)	1736 G Street
†Crews, Clarence McKinnie	(D. C.)	210 A Street, N. E.
Crosby, Pearl	(N. J.)	2833 27th Street
Cunningham, Norman Jay	(Pa.)	625 Lamont Street
†de Freitas, John Thomas	(Cal.)	1343 Q Street
Dornoff, Edward Robert	(D. C.)	1132 7th Street, N. E.
*Duncan, Robert Fuller A.B., 1912, Harvard Col- lege	(Mass.)	American Red Cross
Ellison, Newell Windom A.B., 1917, George Washington Univer- sity.	(D. C.)	1720 M street
Eno, Glenn Union Christian College	(Ind.)	731 Rock Creek Church Road
†Erler, Marian Elizabeth	(Ind.)	1819 G Street
†Evans, Earl Radford M.E., 1919, Cornell Uni- versity	(Mass.)	1518 R Street, N. W.
†Finagin, Le Roy	(D. C.)	3210 Ninth Place, S. E.
Fisher, Elsa Birdsong	(Okla.)	1019 C Street, S. W.
†Flaherty, Paul Bernard	(Mass.)	222 I Street
*Ford, John B.S., 1903, George Wash- ington University	(D. C.)	1924 Biltmore Street
†Francis, Arthur Franklin	(Colo.)	1255 Irving Street
†French, William Thomas	(D. C.)	3111 South Dakota Avenue, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Fullenwider, Helen Estelle	(Ind.)	1301 K Street
Gayle, Catherine Jarvis	(Va.)	Fort Myer Heights, Va.
Geist, Robert Louis	(Conn.)	3158 18th Street
C.E., 1917, Rensselaer Polytechnic Institute		
Gillis, Harry Arthur	(Iowa)	1113 8th Street
A.B., 1914, Monmouth College		
Glass, Robert Lewis	(Pa.)	4102 5th Street
B.S., in E.E., 1913, Pittsburgh University		
*Glasscock, Beth E.	(Cal.)	24 Rhode Island Avenue
†Gorman, Lois Gates	(Pa.)	1807 California Street
Greeling, Roy Herman	(D. C.)	102 Continental Trust Bldg.
A.B., 1917, University of Omaha		
†Green, Harmon Benjamin	(Va.)	Falls Church, Va.
Clark Memorial College		
†Greene, Aldie Ross	(Mich.)	1547 9th Street
A.B., 1910, Albion College, Albion, Mich		
†Gullian, Walter Cyrus	(Ky.)	1378 Harvard Street
Graduate, 1914, West Point Military Academy		
*Haden, Erma	(Ga.)	53 Seaton Place
University of Tennessee		
Hanson, Edward J.	(N. C.)	1333 15th Street
†Hardy, Franklin Earl	(N. Y.)	1222 Irving Street
Union College, Schenectady, New York		
Harris, Brantly Callaway	(D. C.)	House Office Building
A.B., 1917, Rice Institute		
Haug, Joseph E.	(N. Y.)	723 Kentucky Avenue, S. E.
St. Francis Xavier College		
†Hazen, Joseph Harrington	(N. Y.)	1352 Kenyon Street
George Washington University		
Hechmer, Marie Antoinette	(W. Va.)	1335 15th Street
Dolores		
University of West Virginia; University of Chicago		
Heitmuller, Ralph Emmert	(D. C.)	1307 14th Street
George Washington University		
*Hoch, Horace Lind	(D. C.)	Ontario Apartments
A.B., 1902, A.M., 1904, Dickinson College;		
Ph.D., 1907, University of Pennsylvania.		

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†Hoffman, James Irvin A.B., 1918, Franklin and Marshall College	(Pa.)	3311 Ross Place
†Hoffman, John Edward	(Pa.)	1712 15th Street
Hohenstein, Arthur Edwin George Washington Uni- versity	(Ill.)	505 4th Street
†Hollingsworth, Marshall Welch	(Texas)	Western Union Tele- graph Co.
*Holmes, William Woodville	(Mo.)	Adjutant & Inspector's Office, U. S. Marine Corps
Holt, Everett Guy A.B., 1915, Colby College	(Me.)	715 19th Street
*Hotchener, Henry	(D. C.)	The Rochambeau
*Howard, Ralph C. B.S., University of Miss- issippi	(Miss.)	1931 North Capital Street
†Howing, Helen Pauline University of Missouri	(Mo.)	13 1st Street, N. E.
Hutt, James Brooke U. S. Naval Academy	(Va.)	3456 14th Street
†Hyde, Herbert Kendrick University of Oklahoma	(Okla.)	1333 15th Street
Jacobson, Edward Anton A.B., 1915, Gustavus Adolphus College	(Minn.)	1736 G Street
Jacques, Arthur Brenner A.B., 1916, St. John's College, Annapolis, Md.	(Md.)	Army and Navy Club
†Javier, Emilo Conz	(P. I.)	2614 Woodley Place
†Johnson, Herbert Carl	(Minn.)	1100 Vermont Avenue
†Johnson, John O.	(Ore.)	1736 G Street
Kanof, William Jacob B.S., in E.E., 1914, Cooper Union	(N. Y.)	U. S. Patent Office
†Katz, William B.S., 1914, College of the City of New York	(N. Y.)	511 L Street
†Keefer, Arthur Charles	(Md.)	College Park, Md.
Keller, Russell Diebel	(Pa.)	426 C Street, N. E.
Kelly, Clare Regina	(Vt.)	39 Adams Street
*Kimball, Isabel	(D. C.)	306 Rhode Island Ave- nue, N. E.
King, Howard P. Worcester Polytechnic Institute; George Washington Universi- ty	(N. J.)	U. S. Patent Office
†Kinley, Marian I. A.B., 1913, University of Rochester	(N. Y.)	116 East Capitol Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†Kirby, Homer H. George Washington University	(Ohio)	1736 G Street
†Kuzmiak, John Stephen	(Pa.)	1736 G Street
Lacy, Samuel Winston Richmond College	(Va.)	1220 11th Street
Lally, Aloysius Alphonsus	(Mass.)	517 13th Street
†Lane, Munson Harmon B.S., 1918, Princeton University; Iowa State College	(Va.)	Falls Church, Va., R. F. D.
*Langmuir, Dean A.B., 1910, Williams Col- lege	(D. C.)	1401 Fairmont Street
†Lassen, Earle Charles	(D. C.)	517 13th Street
†Law, Annie Joe Lander Tindale College, Greenwood, S. C.	(Fla.)	1327 Girard Street
Le Brun, Isabelle Schier	(Minn.)	41 Seaton Place
Le Brun, Susan R.	(Minn.)	41 Seaton Place
Lehman, Roland Julius George Washington Uni- versity	(Ill.)	1404 Harvard Street
†Levy, Oscar Isaac B.S., and M.S., Uni- versity of Chicago	(La.)	U. S. Patent Office
Lodge, Thomas Ellis	(Del.)	1736 G Street
†Long, William Rodney	(Mass.)	222 I Street
Lutterloh, Herbert McRee	(N. C.)	4014 Illinois Avenue
†Mace, Merwin Ardeen	(Minn.)	1736 G Street
*Marr, Carl Wellington University of Maine	(Me.)	2836 27th Street
Mathias, Floyd Branson	(W. Va.)	Mt. Ranier, Md.
†Maxson, Donald Livingstone	(Md.)	1924 17th Street
McConnell, Chalmers Sey- mour	(D. C.)	1753 18th Street
McDermott, Franklin Pierce, Jr. A.B., 1902, A.M., 1903, E.E., 1905, Princeton University	(N. J.)	1814 Park Road
McGuire, Ollie Roscoe A.B., 1917, Louisiana State University	(La.)	Cherrydale, Va.
McKinley, Henry S.	(W. Va.)	214 2nd Street, N. E.
McLaughlin, James Alexis	(D. C.)	1517 Vermont Avenue
*McMahon, Margaret Agnes B.S., 1906, M.A., 1907, George Washington University	(D. C.)	1344 R Street
Michael, Grace Vivian Simmonds College	(D. C.)	3802 Keokuk Street
Michelson, Bernadette Serena	(Md.)	908 Webster Street
Miller, Jesse Clinton	(N. Dak.)	203 9th Street, S. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Miller, Joe Franklin	(D. C.)	1723 U Street
Miller, Warren Edward	(Ind.)	1736 G Street
†Milstead, Walter La Tour	(D. C.)	1324 Monroe Street
Mitchell, Wade Hampton	(D. C.)	206 C Street
†Mixer, Paul Louis	(Mich.)	1842 Calvert Street
†Moore, Stuart	(Va.)	128 B Street, N. E.
A.B., 1915, Washington & Lee University		
*Moorhead, John N.	(Pa.)	Port Royal, Pa.
†Morse, Ralph Lyter	(D. C.)	122 V Street
University of Idaho		
Motlow, George Thompson	(Tenn.)	1853 18th Street
Muir, Edward Thompson	(D. C.)	1439 Girard Street
Nash, Preston M.	(D. C.)	217 First Street, N. E.
B.S., Maryland State College		
Newman, Lawrence Gilbert	(D. C.)	3617 New Hampshire Avenue
Noe, Edward Terris, Jr.	(Pa.)	2814 13th Street
B.S. in E.E., 1914. University of Pennsylvania		
Nolan, Margaret Cox	(N. Y.)	2118 Pennsylvania Avenue
O'Boyle, Chales A.	(Pa.)	17th and Riggs Place
New York University		
O'Brien, James John	(N. Y.)	336 14th Street, N. E.
*O'Donnell, Victor Lawrence	(Ind.)	924 Pennsylvania Avenue
†Oliver, Fred Nash	(Texas.)	Walter Reed General Hospital, Takoma Park, D. C.
†Paden, Jack	(Okla.)	1810 Calvert Street
Oklahoma State University		
Page, Proctor Hull	(Vt.)	The New Cochran Hotel
Park, Francis Elizabeth	(N. Y.)	3409 Mt. Pleasant Street
Ph.B., 1910, Syracuse University; Columbia University		
Parsons, Maud Anna	(Ill.)	132 A Street, N. E.
*Payne, Anna Louesa	(D. C.)	U. S. Food Administration
A.B., 1913, Goucher College		
*Perkins, Wellington Edwin	(Ill.)	401 4th Street, N. E.
Pierce, Clifford Davis	(Tenn.)	1808 Kalorama Road
George Washington University		
Powers, Robert Supplee	(N. Y.)	1322 Vermont Avenue
†Price, Towson	(N. J.)	1523 22nd Street
M.E., 1909, Stevens Institute of Technology		

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Priest, Charles B.S., 1910, Vanderbilt University; A.B., 1915, University of California.	(Nev.)	1736 G Street
*Proctor, Frank Baker	(D. C.)	1321 Maryland Avenue, N. E.
Rappaport, Harry George Washington Uni- versity	(N. Y.)	1926 New Hampshire Avenue
Ravenel, Henry George Washington Uni- versity	(D. C.)	1611 Riggs Place
†Richdorf, Michael Leo	(Wis.)	1330 North Capitol Street
Rider, Wakeman A.B., 1904, Colgate Uni- versity	(N. Y.)	McLachlen Bank Build- ing
Ring, Freda George Washington Uni- versity	(D. C.)	1215 Harvard Street
Roberts, Samuel Judson	(D. C.)	1312 Columbia Road
†Rosenlund, Arthur Jhalmer	(Minn.)	1421 T Street
†Ruch, George Franklin George Washington Uni- versity	(Pa.)	1353 Longfellow Street
Ruddy, Lena Benigna Missouri University	(Mo.)	1310 Emerson Street
†Saperstein, Simon C.E., 1916, Rensselaer Polytechnic Institute.	(N. Y.)	933 Shepherd Street
Saulsbury, William A.B., 1887, Harvard University	(Del.)	Somerset House, 16th and S Streets
Selby, John Mahlon	(D. C.)	808 East Capitol Street
Sheppard, Norman Bishop A.B., 1917, Yale Uni- versity	(Conn.)	3807 Fulton Street
*Shideler, Jay E. University of Colorado; Columbia University	(Colo.)	1718 Corcoran Street
Shklar, Joseph Barnett C.E., 1911, Ohio State University	(D. C.)	U. S. Patent Office
Shoults, Worth Edward George Washington Uni- versity	(Va.)	611 Cameron Street Alexandria, Va.
†Shrader, Perry William University of Kansas	(Kans.)	1362 Harvard Street
†Simpich, Briggs George University of Washing- ton	(Wash.)	1422 Massachusetts Avenue

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Simpson, Lueco Earle Western Maryland Col- lege	(N. Y.)	3324 18th Street
Sokolov, Harry Eliot	(D. C.)	State Department
†Spanier, David Howard University of Minnesota	(Minn.)	907 M Street
Stebbins, Clare	(N. Y.)	624 A Street, S. E.
Syren, Amelia Harriet	(Pa.)	3932 Illinois Avenue
†Tabler, Otis Francis Richmond College	(Va.)	1100 Vermont Avenue
Taggart, Etta Louise	(D. C.)	1758 Park Road
†Tennyson, Alfred Lionel George Washington Uni- versity	(D. C.)	1512 30th Street
Thomas, Robert A.B., 1915, Richmond College	(Va.)	2337 18th Street
*Thompson, Glenn M.	(Ind.)	1316 Q Street
Tobias, Benjamin	(Md.)	1133 Columbia Road
†Towers, Frederic Newton	(D. C.)	307 Copley Courts
Underwood, Eugene University of Illinois; George Washington Uni- versity	(D. C.)	707 20th Street
†Vass, John Hartwell Washington & Lee Uni- versity	(Va.)	1429 N Street
Ward, Flora Lusk	(Wash.)	4127 New Hampshire Avenue
Watkins, John David	(Miss.)	514 B Street, N. E.
Wegener, Emma Alma	(Wis.)	2118 O Street
Weinstein, Perry College of the City of New York	(N. Y.)	1905 Kenyon Street
*Welch, Kathryn Mae	(Wis.)	210 E Street
*West, Monroe Grady	(Md.)	Indian Office
†Williamson, Ernest R.	(Oreg.)	1736 G Street
Willis, Warren Jennison Graduate, 1912, U. S. Naval Academy; A.B., 1918, George Wash- ington University.	(Minn.)	Hydrographic Office, Navy Department
*Wilson, Howard Leon New York University School of Commerce	(N. Y.)	3324 18th Street
Wilson, John Johnston	(Md.)	Hyattsville, Md.
Wilson, Lee Ross George Washington Uni- versity	(Ohio.)	1346 Monroe Street, N. E.
Woodson, Fred Lee	(Mo.)	1759 Columbia Road
Wunderlich, Lucile Marie	(Ky.)	730 3rd Street, N. E.
Young, Vincent Henry	(Conn.)	1453 Monroe Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Zamora, Mauricio University of the Philip- pines	(P. I.)	2942 Ordway Street, Cleveland Park.
Zillman, Ben Victor B.S. in M.E., 1916, Wash- ington University.	(Mo.)	433 4th Street, N. E.
Second Year Class		
Albertsworth, Edwin Frank- lin A.B., 1915, A.M., 1916, Ph.D., 1918, George Washington Univers- ity.	(Md.)	130 Carroll Avenue Takoma Park
*Arnest, H. Paul	(Ark.)	1762 Church Street
Barbour, Harriet M. George Washington Uni- versity	(Oreg.)	3213 13th Street
*Bardill, Walter Samuel	(Pa.)	414 6th Street
Barth, Irving Valentine Edgar	(N. Y.)	General Land Office
Bauman, Walter Michael University of Nebraska	(Neb.)	1810 Calvert Street
*Baumgartner, Marjorie Katherine	(Mich.) (Ky.)	The Dresden
Bell, Charles Rowan		1021 11th Street
Bloem, John Harry George Washington Uni- versity Kalamazoo College	(Mich.)	Federal Trade Com- mission
Boyer, Eugene Francis Ph. B., 1917, Yale Uni- versity	(Conn.)	1421 I Street
Brock, Howard Merle Toledo University	(Ohio)	1736 G Street
†Brown, Earle L	(Ia.)	1414 V Street
Brown, Walter Lee Arkansas College	(Ark.)	1215 C Street
Bryant, Joseph Mortimer B.S., 1902, C. E., 1905, Virginia Polytechnic Institute	(Utah)	1219 Shepherd Street
Bush, Clarence Edgar	(D. C.)	1812 Park Road
Cabler, Cleveland Henderson-Brown Col- lege; University of Arkansas	(Ark.)	1100 Vermont Avenue
Canfield, Raymond Bishop Ph.B., 1910, Yale Uni- versity	(D. C.)	701 McLachlen Build- ing
Clarke, Calvin	(Ky.)	1254 Hamlin Street, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Cole John Melvin B.S. in E.E., 1911, Clark- son College of Tech- nology	(N. Y.)	2140 N Street
Collins, Elmer Briggs	(Ala.)	111 B Street, S. E.
Crabbe, Albert William	(Utah)	1122 Spring Road
†Cramer, John Nicholas Columbia University	(N. Y.)	1744 F Street
Curry, Joseph Clifford University of Chatta- nooga	(Tenn.)	1736 G Street
*Dickinson, John A.B., 1913, Johns Hop- kins University; A.M., 1915, Princeton Uni- versity	(Md.)	1913 I Street
Dodd, William Jennings	(Md.)	National Savings & Trust Building
*Dutko, Paul Michael Dickinson College	(Pa.)	1736 G Street
Eddy, Grace Marie George Washington Uni- versity	(Wis.)	1424 R Street
Fairbank, Carl S. Albion College; George Washington Univers- ity	(Mich.)	1422 Massachusetts Avenue
†Fearing, Justin Lincoln George Washington Uni- versity	(Mass.)	The Ethelhurst, 15th and L Streets
Fees, Don Clare Dana College	(Neb.)	1930 18th Street
†Frey, Charles Millard A.B., University of Nebraska	(Neb.)	New Berne Apartment
*Frutchman, Nathan Mar- shall	(N. J.)	1209 B Street, S. E.
Geiger, Olive Evalyn Maryland College for Women	(D. C.)	1855 Calvert Street
Gonzalez Maldonado, Jesus Alexander	(P. R.)	The Regina Apart- ments
Gregg, Lewis Judson	(Mich.)	26 14th Street, N. E.
†Guy, Ellsworth L. Colorado College	(Colo.)	1129 Euclid Street
*Hall, Howard Lewis A.B., 1915, A. M., 1916, University of Min- nesota.	(Minn.)	1500 13th Street
Hammer, Mabel White A.B., 1916, Smith Col- lege	(N. Y.)	George Washington Inn.
Harris, John Harry	(Pa.)	37 Girard Street, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Heckmann, William Jacob	(Ia.)	1215 12th Street, N. E.
Henry, Condor Caywood	(Tenn.)	907 L Street, N. E.
A.B., 1915, George Washington Univers- ity		
†Higgins, Daniel Ernest	(Me.)	1712 F Street
University of Maine		
Hodson, Elmer Reed	(D. C.)	U. S. Forest Service
B.S., 1898, M.S., 1900, Iowa State College		
†Holmgren, Samuel Theodore	(Mass.)	1736 G Street
A.		
†Hurd, Cato Burdge	(Ind.)	1101 Euclid Street
James, Maxwell	(N. Y.)	1020 Fairmont Street
B.S., 1913, College of the City of New York		
Kimbel, Joseph Wesley	(Pa.)	1848 Ingleside Terrace
†Lamb, Albert Thomas	(Kans.)	1225 L Street
†Landers, Norman Lincoln	(Ia.)	2063 Park Road
A. B., Lenox College, Hopkinton, Iowa		
Levinson, Charles William	(Md.)	U. S. Patent Office
A.B., 1915, Johns Hop- kins University		
†Livingston, Walter Mc- Kenzie	(S. Dak.)	1748 Q Street
University of South Dakota		
Manning, Ellis, Wooster	(Okla.)	707 20th Street
Manning, Lucy Rains	(Okla.)	707 20th Street
†Maxson, Louis Archer	(Md.)	620 North Carolina Avenue, S. E.
A.B., 1913, M. S. 1915, George Washington University		
*May, Ernest A.	(D. C.)	1736 G Street
Meyer, Morris Daniel	(Texas)	2415 20th Street
A.B., 1910, Tulane Uni- versity		
Middleton, George Elmer	(Va.)	U. S. Patent Office
C.E., 1912, Ohio State University, A.B., 1916, George Washington University		
Morgan, Linton	(Ariz.)	2106 F Street
Nagelberg, Alfred	(N. Y.)	1113 5th Street
B.S., in Eng., 1915, Cooper Union		
Nelson, Le Roy Walter	(Neb.)	530 20th Street
†Noble, Lew Maurice	(Me.)	1422 Mass. Avenue
A.B., 1916, Bowdoin Col- lege		

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Pabst, Bertha Elizabeth Adelphi College	(N. Y.)	3551 Holmead Place
Paltridge, George Henry A.B., Feb. 1918, George Washington Univers- ity	(D. C.)	1222 O Street
Paris, Israel S.B., 1914, Massachusetts Institute of Tech- nology	(Mass.)	U. S. Patent Office
†Pearlove, Edward Joseph	(Minn.)	621 H Street
Pedersen, Aksel Marius B.S., 1912, Massachusetts Institute of Technol- ogy	(Conn.)	702 19th Street
*Peters, Robert Le Roy A. B., 1917, University of Wisconsin	(Wis.)	Navy Department
†Porges, Mortimer	(Ill.)	1354 Oak Street
†Ralston, Julian Craven A.B., 1917, Indiana Uni- versity	(Ind.)	2012 O Street
Randall, Carlton Morrell	(Pa.)	914 I Street
Raymond, Mary Jane	(D. C.)	1224 Euclid Street
Reges, Maximilian Frederick George Washington Uni- versity	(N. J.)	U. S. Patent Office
Richmond, Allen Rossman State University of Iowa	(Ia.)	1627 16th Street
Schwertner, Fritz	(D. C.)	326 C Street, S. W.
Shappirio, Solomon B.Ch., 1915, University of Michigan	(D. C.)	910 M Street
†Shea, James Patrick A.B., 1915, Georgetown College	(D. C.)	1161 Neal Street, N. E.
*Stecher, Karl Fairmount College, Wichita, Kans.	(Kans.)	1736 G Street
†Stickle, Wilmer Franklin Swarthmore College; Roanoke College	(N. J.)	1916 16th Street
*Sweet, Donald Howard A.B., 1913, Western Re- serve University; S.B., 1913, Case School of Applied Science	(Ohio.)	1736 G Street
Sydenham, Humphrey Lehigh University	(D. C.)	1277 New Hampshire Avenue
*Todd, John R., Jr. Milligan College	(Tenn.)	1762 Church Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Townsend, John William Southwestern Presby- terian University	(Fla.)	1829 19th Street
Turp, James Sowders	(N. J.)	537 21st Street
†Uehren, Robert Monat	(Wis.)	1748 Que Street
Van Meter, Arthur A. B., 1913, Ohio State University	(Ohio)	5210 Illinois Avenue
Van Wagoner, Earl Utah Agricultural Col- lege	(Utah)	1736 G Street
Wolfson, Frederick James University of Missouri	(Mo.)	1002 Fairmont Street
*Wright, Russell Syracuse University	(N. Y.)	1015 20th Street
†Young, George Wilson	(Mass.)	1810 Calvert Street

Third Year Class

Barnhart, Alvin Johnson West Virginia Univers- ity	(W. Va.)	1541 8th Street
*Bartholow, Edmond Mont- gomery A.B., 1909, University of Kansas	(Kans.)	2030 Lawrence Street, N. E.
†Borden, Frank Harris University of Pennsyl- vania	(Pa.)	25 Grant Place
†Bremer, Edward George College of St. Thomas	(Minn.)	1750 Massachusetts Avenue
Brody, Arthur Chester	(N. Y.)	176 Brunswick
*Brown, Carl Chester	(Mo.)	1739 P Street
Carter, George Henry Ph.B., 1898, State Uni- versity of Iowa	(Ia.)	1661 Hobart Street
*Chesnul, Charles Vincent Boston College	(Mass.)	2524 L Street
Connell, Letcher Benjamin	(Tenn.)	209½ First Street, N. E.
Corbin, Elmer L.	(Ill.)	1011 Monroe Street
Cornell, Herbert Watson A.B., 1903, University of Colorado	(Colo.)	5419 Illinois Avenue
Davis, John Wesley S.B., 1914, Iowa Wesley- an College	(Ia.)	1222 Connecticut Ave- nue
†Duvall, Walker Mareen George Washington Uni- versity	(D. C.)	1812 Vernon Street
Eames, William Herbert	(Mass.)	2609 Myrtle Avenue, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Edwards, John William	(Vt.)	403 Union Trust Building
Estes, Andrew Broadus, Jr. University of Georgia	(Ga.)	622 D Street, N. E.
Faulkner, Robert Raymond	(Ill)	5 Rhode Island Avenue
Flam, John B.E., 1916, Union Col- lege	(N. Y.)	1623 Irving Street
†Foster, LeRoy Blake Ph.C., 1909, Ohio State University	(Ohio.)	1829 19th Street
Fravel, Robert Hiram A.M., 1906, Randolph- Macon College	(Va.)	1829 19th Street
Fray, John Aaron A.B., 1909, Missouri Valley College	(Cal.)	3025 15th Street
†Fuller, Burton A.B., 1915, Central Uni- versity of Iowa	(Ia.)	1736 G Street
†Granner, Walter Arnold University of South Dakota		1736 G Street
*Hamilton, Ralph Hayes	(Ohio)	Grafton Hotel
Harden, Fred Geer A.B., 1907, A.M., 1908, University of Ne- braska	(Neb.)	1468 Harvard Street
*Hensel, Frederick William LL.B., February 1919, George Washington University	(Minn.)	Cherrydale, Va.
*Hill, Walter Barnard B.S. in E.E., 1913, Uni- versity of Georgia	(Ga.)	1120 Rhode Island Ave- nue
Huff, John James A.B., 1909, State Uni- versity of Iowa	(Ia.)	1719 G Street
Janson, Harold Jennings B.S. in Ed., 1912, B.A., 1913, Ohio State Uni- versity	(Okla.)	1921 Rhode Island Ave- nue, N. E.
†Johns, Hyland Righter B.S., in E.E., 1913, Uni- versity of Pennsyl- vania	(Pa.)	1450 Harvard Street
†Kennedy, James Arthur Richmond College; Uni- versity of Virginia	(S. C.)	Cavanaugh Court Apartments
Lavery, Thomas Claffey Valparaiso University	(Mo.)	1906 N Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Mackey, Stuart Jones C.E., 1915, Rensselaer Polytechnic Institute	(N. Y.)	1814 Park Road
Meseke, Frank Bennett Ph.B., 1912, University of Chicago	(Ind.)	7 H Street
Miller, Clarence Altha	(Pa.)	1229 12th Street
Miller, Henry	(Ky.)	1736 G Street
Miller, Howard Seaman E.E., 1913, M.A., 1915, University of Califor- nia	(Cal.)	U. S. Patent Office
Newsom, Bessie Wooten A.M., 1914, Vanderbilt University	(Ark.)	1727 F Street
*Nichol, James Wallace George Washington Uni- versity LL.B., February 1919, George Washington University	(Mich.)	412 Willard Courts
Pulling, Arthur Clement	(D. C.)	1314 Park Road
Read, William Alfred A.B., 1905, A.M., 1906, Brown University	(Mass.)	1769 Columbia Road
Robertson, Wallace Andrew Indiana University	(Ind.)	205 A Street, S. E.
St. Clair, Albert Thurston A.B., 1917, George Washington Univers- ity	(D. C.)	1401 Columbia Road
†Shorb, Paul Edgar A.B., 1917, University of North Dakota	(N. Dak.)	3304 Holmead Place
Steele, Francis Willard University of West Vir- ginia	(W. Va.)	1739 P Street
*Stone, Clifford Fontaine LL.B., February, 1919, George Washington University	(Wis.)	1828 G Street
Stukes, Taylor Hudnall A.B., 1915, Washington and Lee University	(S. C.)	221 East Capitol Street
*Stuwe, John Daniel B.S. in C.E., 1912, LL.B., Feb. 1919, George Washington Univers- ity	(Minn)	U. S. Patent Office
Swindler, Charles Patrick A.B., 1916, University of Colorado	(Colo)	216 Maryland Avenue, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Taylor, Edward Curtis S.B., 1914, Massachusetts Institute of Technol- ogy; LL.B., October 1918, George Wash- ington University	(Mass.)	Springfield, Mass.
Tomlinson, John Pride A.B., 1914, University of the South	(Tenn.)	Office of the Secretary of the Senate
Towsley, Frank Hathaway A.B., 1913, Tufts Col- lege	(N. Y.)	2502 Hamlin Street, N. E.
*Van Moss, Bert	(Okla.)	U. S. Marine Corps, Quantico, Va.
Wood, Richard Francis C. E., 1915, Lehigh Uni- versity	(D C.)	3301 Highland Place
†Wright, Lewis A. Lehigh University	(D C.)	517 Cedar Street, Takoma Park, D. C.
Yang, Yung-Ching A.B., 1910, Soochow Uni- versity	(China)	2001 19th Street

CANDIDATES FOR DEGREE OF MASTER OF LAWS

*Beckwith, Frank Jennings LL.B., Washington and Lee University	(W. Va.)	1425 Madison Street
Burrows, Tremaine Kellogg A.B., 1897, University of Nebraska; LL.B., Fed- bruary 1917, George Washington Univers- ity	(N. Y.)	6902 5th Street
*De Aguero, Manuel LL.B., 1917, George Washington Univers- ity	(Cuba)	Department of Justice
†Denit, Louis Malvern LL.B., 1918, George Washington Univers- ity	(D. C.)	1239 I Street, N. E.
*Fast, Arthur Herman A.B., 1909, Baker Uni- versity; LL.B., 1912, University of Kansas	(Kans.)	1229 12th Street
†Fooks, Herbert Clarence A.B., 1906, St. John's College; LL.B., 1916, University of Idaho	(D. C.)	Walter Reed Hospital, Takoma Park, D. C.
†Gittins, Charles Franklin LL.B., 1911, State Uni- versity of Iowa	(Ia.)	4014 7th Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†Hall, Gilbert Lewis A.B., 1899, Swarthmore College; LL.B., 1918, George Washington University	(Oreg.)	Wilkins Building
†Larsen, Roy William A.B., 1913, University of Minnesota; LL.B., 1918, George Washing- ton University	(Minn.)	1806 Riggs Place
*Marshall, Charles Orr University of Omaha; LL.B., 1918, George Washington Univers- ity	(Neb.)	526 Taylor Street
*Rhea, Learner Tolbert LL.B., 1912, University of Texas	(Tenn.)	1339 14th Street
Sanborn, Edgar Cummings A.B., 1915, Dartmouth College; LL.B., 1918, George Washington University	(N. H.)	U. S. Patent Office
†Schnare, Lester Llewellyn LL.B., 1913, George Washington University	(Ga.)	Department of State
*Shaw, Randolph Codman Washington and Lee University; LL.B., 1915, George Wash- ington University	(D. C.)	1419 R Street
†Stovall, Bates Mitchell LL.B., 1917, George Washington Univers- ity	(D. C.)	The Cecil
Veale, Anita Wilson Manual Arts Junior Col- lege; LL.B., 1918, Uni- versity of Southern California, College of Law	(Cal.)	3908 Kansas Avenue

SPECIAL STUDENTS

*Alexander, John William	(Ky.)	Congress Hall Hotel
Allen, Charles Risdon	(D. C.)	1912 1st Street
*Axleroad, Benjamin	(N. Y.)	1751 Lanier Place
†Bledsoe, Harrison Warren	(Kans.)	1105 K Street
†Blehr, Francis Morris	(Minn.)	1121 I Street
Browne, Margaret Marian A.B., 1916, George Wash- ington University	(D. C.)	1304 Kenyon Street

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Buchanan, John Grier A.B., 1909, Princeton University LL.B., 1912, Harvard Uni- versity	(D. C.)	Office of the Judge Ad- vocate General
*Buckley, Francis J.	(Cal.)	831 18th Street
*Carroll, Francis Partridge	(D. C.)	1849 Ontario Place
*Chilcote, Samuel S. C.	(D. C.)	1468 Harvard Street
†Cole, Fannie Beardsley	(Va.)	The Dunsmere
*Concannon, Matthias	(Ill.)	1624 P Street
*Cushman, Robert Alberton	(Mass.)	2501 Pennsylvania Avenue
*Danis, Raymond Smith	(D. C.)	30 9th Street, S. E.
Dee, Jessica A.B., 1916, Wellesley College	(Mass.)	802 Massachusetts Avenue, N. E.
Doran, Maurice P.	(N. Y.)	1618 1st Street, N. E.
*Duras, Victor Hugo LL.B., 1902, University of Nebraska; LL.M., 1903, George Wash- ington University.	(Neb.)	3214 18th Street
Fairbanks, Joseph	(D. C.)	Office of the Provost Marshal General
*Fleischhauer, Julius Albert	(D. C.)	115 E Street, S. E.
*Frazer, James R.	(Ind.)	2723 Connecticut Ave- nue
†Fredo, Michael A.	(N. Y.)	504 F Street, N. E.
*Gerken, Edward Ridley	(N. Y.)	1822 15th Street
*Gluck, Edwin Lawrence	(N. Y.)	1402 16th Street
*Hanes, Harold Fitz-Hugh LL.B., 1918, George Washington Univers- ity	(Va.)	Herndon, Va.
†Hanson, Joseph Benjamin	(Ill.)	1614 G Street, S. E.
Hatch, Frank Lockwood	(Ill.)	1857 Ontario Place
Hawley, Truman, R. A.B., 1900, LL.B., 1905, Harvard University	(Mass.)	3114 19th Street
*Hayes, W. A.	(Wis.)	War Department
Hinckley, Gladys Constance	(D. C.)	1623 16th Street
*Hitt, Isaac R.	(Va.)	1410 H Street
*Hornblower, George San- ford A.B., 1904, Princeton University; LL.B., 1907, Columbia Uni- versity	(N. Y.)	2034 Hillyer Place
Hoyt, Homer A.B., 1913, (Feb.). A.M., 1913, (Nov.) Univer- sity of Kansas.	(Ill.)	1500 13th Street
†Kay, Harold Thomas	(Utah)	100 B Street, N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
Kennedy, George William	(D. C.)	4413 8th Street
†Kimbrel, Madge	(Ind.)	313 13th Street, N. E.
Longfellow, Thelma Barbee	(D. C.)	115 C Street, S. E.
Loring, Charles	(D. C.)	1840 Calvert Street
Lynch, John J.	(N Y.)	1229 12th Street
*Lyttle, Bertha Drusilla	(Ky.)	3546 New Hampshire Avenue
*Magee, William John	(Mass.)	3310 Ross Place, Cleveland Park
*Maguire, Frank Raum	(D. C.)	1410 Euclid Street
*Malino, Jerome E.	(N. Y.)	1212 Euclid Street
†Martin, Charles Emanuel	(D. C.)	1736 G Street
B.S., 1914, M.A., 1915, University of California, Ph.D., Columbia University		
Mayers, Lewis	(N. Y.)	1215 10th Street
A.B., 1910, College of the City of New York; A.M., 1912, University of Wisconsin; Ph.D., 1914, Columbia Uni- versity.		
*McCann, Felix H.	(Ala.)	The Champlain
Metcalfe, Buehler	(Neb.)	Portland Apartments
Miller, Robert N.	(D. C.)	War Department
*Morrison, Nancy C.	(Va.)	McLean, Va.
*Morton, Alfred Balch	(Md.)	1729 De Sales Street
*Phillips, Henry L.	(D. C.)	1343 Q Street
*Quick, G. Willard	(Va.)	2337 18th Street
B.S., 1917, Richmond College		
Roepke, Otto Bismarck	(Minn.)	2014 G Street
Scharr, Harry Isaac	(D. C.)	3809 Georgia Avenue
*Schenck, Michael	(D. C.)	War Department
*Scott, John Reid	(Pa.)	Metropolitan Club
Serby, Myron W.	(D. C.)	711 13th Street
B.S., 1915, College of Agriculture, Cornell University		
Sharp, Fred L.	(Va.)	Indian Office
*Shaw, Henry Bigelow	(Vt.)	Woodley Apartment
LL.B., 1900, Harvard Law School		
*Shepard, Donald D'Arcy	(D. C.)	Department of State
LL.B., 1918, George Washington Univers- ity		
†Smith, Adison Foster	(Okla.)	1712 15th Street
Smith, John Abdie	(Pa.)	Farnsboro Apartments
Smith, Joseph S. W.	(Pa.)	Farnsboro Apartments

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*Smith, Stafford A.B., 1913, Northwest- ern University; LL.B., 1916, Harvard Law School	(N. Y.)	1614 I Street
Stringham, Emerson	(Ia.)	1379 North Carolina Avenue
†Weeks, Dorothy Walcott A.B., 1916, Wellesley College	(D. C.)	3461 Lowell Street, Cleveland Park
*Weeks, Mangum A.B., 1915, University of North Carolina	(D. C.)	3445 Newark Street
†Zinn, Roy Brown	(W. Va)	14 3rd Street, N. E.

SUMMARY

Students Army Training Corps.....	64
Candidates for Degree of Bachelor of Laws	
First Year.....	197
Second Year.....	89
Third Year.....	56
Total	342
Candidate for Degree of Master of Laws.....	16
Total Candidates for degrees.....	358
Special Students.....	67
Total	489
Counted Twice.....	25
Total all students.....	464
Candidates for degrees who are college graduates.....	110
Percentage	30.81
Candidates for degrees who have had all or part of a college course.....	200
Percentage.....	56.05

COLLEGE GRADUATES, CANDIDATES FOR DEGREES

Albion College	1	Minnesota, University of ..	2
Baker University	1	Mississippi, University of..	1
Bowdoin College	1	Missouri Valley College ..	1
Brown University	2	Monmouth College	1
University of California ..	2	Nebraska, University of ..	3
Case School of Applied		North Dakota, University of	1
Science	1	Ohio State University	5
Central University of Iowa	1	Omaha, University of	1
Chicago, University of	2	Pennsylvania, University of	3
Clarkson College of Technol-		Pittsburgh University	1
ogy	1	Princeton University	4
Colby College	1	Randolph-Macon College ..	1
Colgate University	1	Rensselaer Polytechnic In-	
College of the City of New		stitute	3
York	2	Rice Institute	1
Colorado, University of ...	2	Richmond College	1
Columbia University	1	Rochester, University of ..	2
Cornell University	1	St. John's College, Annapolis,	
Cooper Union	2	Md.	2
Dartmouth College	1	Smith College	1
Dickinson College	1	Soochow University	1
Earlham College	1	Stevens Institute of Technol-	
Franklin and Marshall Col-		ogy	1
lege	1	Swarthmore College	1
Georgetown College	1	Syracuse University	1
George Washington Univer-		Tufts College	1
sity	12	Tulane University	1
Georgia, University of	1	Union College	2
Goucher College	1	U. S. Military Academy ...	1
Gustavus Adolphus College	1	U. S. Naval Academy	1
Harvard University	2	University of the South....	1
Indiana University	1	Vanderbilt University	2
Iowa State College	1	Virginia Polytechnic In-	
Iowa, State University of..	2	stitute	1
Iowa Wesleyan College	1	Washington and Lee Uni-	
Johns Hopkins University ..	2	versity	2
Kansas, University of	1	Washington University	1
Lehigh University	1	Western Reserve University	1
Lenox College, Hopkinton,		Williams College	1
Iowa	1	Wisconsin, University of ..	1
Louisiana State University	1	Yale University	3
Maryland State College ...	1		
Massachusetts Institute of			116
Technology	3	Counted twice	7
Michigan, University of ..	1	Total	109

STUDENT ARMY TRAINING CORPS

OFFICERS

Henry H. Ludlow, Colonel, Coast Artillery, U. S. A., Retired.
 Richard G. Cecil, First Lieutenant, Infantry, U. S. A.
 Mitchell D. Auerbach, Second Lieutenant, Infantry, U. S. A.
 Edward F. Collins, Second Lieutenant, Infantry, U. S. A.
 Howard F. Dickensheets, Second Lieutenant, Infantry, U. S. A.
 John R. Drawbaugh, Second Lieutenant, Infantry, U. S. A.
 Kenneth C. Hand, Second Lieutenant, Infantry, U. S. A.
 Frank Harwell, Jr., Second Lieutenant, Infantry, U. S. A.
 Louis Hasbrouck, Second Lieutenant, Infantry, U. S. A.
 Morris S. Hegarty, Second Lieutenant, Infantry, U. S. A.
 Bishop C. Hunt, Second Lieutenant, Infantry, U. S. A.
 Robert J. Riley, Second Lieutenant, Infantry, U. S. A.
 Harold S. Sample, Second Lieutenant, Infantry, U. S. A.

DEPARTMENT OF ARTS AND SCIENCES

Aaron, Jacob Henry	District of Columbia
Adams, Karl Anthony	New York
Adams, Leslie Harold	District of Columbia
Aman, John Andrew	Maryland
Aman, Walter Frank	Maryland
Anderson, Robert Nelson	District of Columbia
Applewhite, Francis Clyde	Texas
Austin, Byron	Illinois
Babcock, George Woodman	Wisconsin
Bailey, Norman Carlyle	Florida
Ballinger, William McCormick	District of Columbia
Barnhart, Frank Ernest	New York
Bender, Ernest Gusta	Indiana
Biggs, Warren Otis	District of Columbia
Bisselle, Hulbert Thaddeus	District of Columbia
Bleicher, Alexander	New York
Blickenstaff, Ivan Cyrus	District of Columbia
Bloomquist, Frederick Almon	Pennsylvania
Bond, Samuel Hazen, Jr.	Illinois
Boone, Robert Edward	District of Columbia
Bosworth, Robert Joseph	District of Columbia
Boteler, Harry Simonds, Jr.	District of Columbia
Boughton, Warren Victor	District of Columbia
Bradbury, Craig Eames	District of Columbia
Bragg, Frank Trustrum	Massachusetts
Brown, Radford Talbott	District of Columbia
Browne, Paul Shannon	Kansas
Buckingham, Wells S.	District of Columbia
Buckley, Jeremiah	District of Columbia
Bullock, Emmett H.	Missouri
Burner, Charles Alexander	District of Columbia
Burneston, Joseph Lee	District of Columbia

Burr, Calvin, Jr.	New York
Burton, Oliver E.	West Virginia
Bynum, William Jennings	District of Columbia
Campbell, Harry Francis	District of Columbia
Carlton, Oscar Everett	Pennsylvania
Carpinelli, John Joseph	Pennsylvania
Carrico, Ivan	Indiana
Cederstrom, Albert Gustaf	Massachusetts
Chamberlain, Leslie S.	New York
Church, William Alexander Harris, Jr. ..	District of Columbia
Clark, Lyell	Kansas
Cohen, Max	Pennsylvania
Comish, Henry Carey	Louisiana
Connett, George F.	New Jersey
Cosgrove, Joseph R.	Missouri
Crissman, Philip A.	Iowa
Cruickshanks, Benjamin Carpenter	District of Columbia
Cunningham, Frederick Bruce	Virginia
Dauksys, Joseph V.	New Jersey
Davidson, James Alexander, Jr.	District of Columbia
Davidson, Wilbur Delozier	District of Columbia
Davis, Thomas Allan	District of Columbia
Day, Edward Jenner	New Jersey
de Brodes, George Victor	District of Columbia
Degener, Edward L.	Illinois
Denison, Abraham Robert	District of Columbia
Dennison, Robert	District of Columbia
Deuel, Harry James	Minnesota
Diamondstein, Sidney Barnet	Maryland
Dodge, Sidney Whipple	District of Columbia
Doniphan, Edwin Dorsey	District of Columbia
Duffey, Hugh C., Jr.	District of Columbia
Dye, Sidney O.	Ohio
Elliott, James H.	Virginia
Espey, Howard Hamilton	District of Columbia
Evans, Leland Moroni	Utah
Faris, Robert L., Jr.	District of Columbia
Fihe, Albert Joseph	Kentucky
Fisk, Clarence W.	Maryland
Friedman, Harry	Maryland
Garman, Frank Russell	Philadelphia
Garner, Nelson	Arkansas
Gatchell, Willard Waddington	District of Columbia
Gingrich, George Albert	Kansas
Glushak, David Adolph	District of Columbia
Gorman, Arthur Clifford	Connecticut
Grass, Edward Jacob	District of Columbia
Greene, Robert Arthur	Florida
Grossberg, Louis C.	District of Columbia
Grossman, Myer John	Pennsylvania
Gunther, Arthur Carl	Indiana
Halpern, Max	New York
Hann, Raymond McGeary	District of Columbia
Hardy, Samuel Walker	District of Columbia
Harnsberger, Charles Whitfield	Virginia

Harrell, Newton Lewis	South Carolina
Harris, Frank Irving	District of Columbia
Hart, Hillus Hilton	Indiana
Hartman, Arthur Meyer	District of Columbia
Hastings, George S.	District of Columbia
Hawk, John Marvin	District of Columbia
Haynes, William Preston	Kentucky
Henshall, Lawrence Decker	Philadelphia
Hodgkins, Bradley D.	District of Columbia
Hoffman, Herman S.	Maryland
Hollingsworth, Henry Hardeman	Virginia
Holmes, Garrett A.	Missouri
Horwitz, Alec	District of Columbia
Hough, Ashbel Fairchild	District of Columbia
Hunt, Herbert Bremer	District of Columbia
Ihrig, Chester D.	Kentucky
Jenkins, William Alexander, Jr.	District of Columbia
Jessen, Lowell Everett	Utah
Johnson, Eugene	Wisconsin
Johnson, Harold Curry	District of Columbia
Johnson, Robert Harris	District of Columbia
Johnson, Roger C.	Missouri
Kampe, Albert Henry	Michigan
Keiser, Clarence Cyrus	District of Columbia
Kershenbaum, Leo.	District of Columbia
Kleve, Jasper Miles	New York
Krause, Adam Frederick	District of Columbia
Ladd, John G.	New Mexico
Lamb, Clyde	District of Columbia
Lanigan, Arthur Loyola	District of Columbia
Lapish, Joe Harry	District of Columbia
Le Foe, George Buckner	District of Columbia
Leonard, Melville Harlan	District of Columbia
Levinson, Isadore	Virginia
Lewis, Elmer Fellows	District of Columbia
Lewis, Thomas Deane	Maryland
Lippy, Paul Nelson	Pennsylvania
Locke, Howard Palmer	North Carolina
Lootz, Alf Christian, Jr.	District of Columbia
Lovett, John Willis	District of Columbia
Lynch, Merrill C.	Virginia
Lyons, Charles Alexander, Jr.	District of Columbia
McCarthy, John Joseph	New York
McCarthy, Walter T.	District of Columbia
McClarnon, William James	New York
McCoy, William Franklin, ...	Maryland
McCrea, Walter Dale	District of Columbia
McDonald, John Gordon	Maryland
MacEwen, Thomas Taylor	District of Columbia
McGlothlin, Carl E.	Texas
MacNab, John Carter	District of Columbia
Mannar, Claiborne Harrison	Maryland
Markriter, Frank Bernard	District of Columbia
Mason, John Russell	District of Columbia
Medford, Theodore Lane	District of Columbia

Melander, Walfrid A.	Connecticut
Meyer, Henry	New York
Michaelson, Leo William	Wisconsin
Miller, Forrest John	District of Columbia
Miller, Joseph George	Maryland
Miller, Robert Tweed	District of Columbia
Miller, Warren E.	District of Columbia
Mincosky, Maxwell M.	District of Columbia
Mitchell, Jimmie Lee	Alabama
Mitten, Paul Landon	Washington
Montgomery, Wilbur Burson	District of Columbia
Moore, John Henderson	Maryland
Moser, Maurice	District of Columbia
Moyer, Samuel	Pennsylvania
Myers, John Dallas	Indiana
Nall, Arthur Ernest	Texas
Neill, William Lynville, Jr.	Texas
O'Connor, Harold James	Pennsylvania
Orn, Gustave Paul	Pennsylvania
Overstreet, Walter Everett	District of Columbia
Palomar, Gaudioso P.	P. I.
Parker, Thornton Jenkins, Jr.	District of Columbia
Parrott, Leo George	New York
Patton, Ernest Franklin	Iowa
Peake, Isidore Albert	District of Columbia
Pekofsky, William	District of Columbia
Perkins, Hanson Travers	Maryland
Perley, Allan Hall	District of Columbia
Petr, Edward	Kansas
Petty, Joe Nicholas	Alaska
Phillips, Bernhardt	District of Columbia
Phillips, Walter Hiram	Ohio
Phillips, Wendell	Wisconsin
Phillips, William John	New York
Pierson, Stanley Bird	District of Columbia
Pile, Roy J.	District of Columbia
Poffenberger, Carrol R.	District of Columbia
Possoff, Morris	Pennsylvania
Potthoff, Herbert George	Texas
Protas, Maurice	District of Columbia
Rambo, Golden Samuel	District of Columbia
Ranck James Byrne	District of Columbia
Randall, Benjamin Harlan	District of Columbia
Reichard, Carlos B.	District of Columbia
Reilly, John Joseph	Massachusetts
Rocca, Leo John	District of Columbia
Rosedale, Max Krauss	Louisinia ..
Royer, Joseph Paul	Ohio
Ryan, Clarence F.	Pennsylvania
Ryan, Edward Thomas	Connecticut
Ryon, Norris Melvin	Maryland
Salzer, George Washington	New York
Sanders, James Henderson	District of Columbia
Schmitt, Henry Martin	New York
Schuetz, Martin George	Conn.

Seymour, Harry Randolph	New York
Shannon, William Arthur	District of Columbia
Shrebnik, Joseph I.	Conn.
Simester, Ralph Edward	District of Columbia
Simpson, Jesse Noble	District of Columbia
Sinclair, William Hunter	District of Columbia
Sloan, William McKinley	Nebraska
Smith, Audley L.	Iowa
Sowder, Clarence S.	Idaho
Stephens, David McCeung	District of Columbia
Stewart, Charles West, Jr.	District of Columbia
Strang, Harry Ledden, Jr.	District of Columbia
Styer, Martin R.	Pennsylvania
Sudenga, Willard Leigh	Illinois
Svabek, Paul Jaroslav	Ohio
Symons, Arthur	Michigan
Taylor, Raymond Marvin	District of Columbia
Thomas, Walter Austin	District of Columbia
Tibbitts, Gordon Chase	District of Columbia
Tilton, Daniel Henry	District of Columbia
Topman, Murray	New York
Toups, Sidney Phillip	Louisiana
Tracy, Stanley James	Utah
Turoff, Louis Webster	District of Columbia
Van Horn, Arthur Heisler	District of Columbia
Violett, Ernest Randolph	Maryland
Votruba, George E.	District of Columbia
Wallace, Ricardo F.	Maryland
Walsh, John Butler	District of Columbia
Walton, Aubrey	California
Warfield, Vernon Norwood	Virginia
Warrington, Theodore Brown	District of Columbia
Weinstein, Meyer	District of Columbia
Whaland, Norman D.	Massachusetts
Wharton, William Joseph, Jr.	New Jersey
Whitlock, Walter Raymond	West Virginia
Whyte, Clifton Andrews	District of Columbia
Wiley, Virgil Brooks	District of Columbia
Wilke, Clarence Gustaf	Kansas
Wingate, Edward Greene	District of Columbia
Wingfield, Charles Arthur	District of Columbia
Witherow, George Dewey	Michigan

STUDENTS ARMY TRAINING CORPS

THE MEDICAL SCHOOL

Baker, Henry Merton	District of Columbia
Baker, Wallace Bruce	District of Columbia
Barone, Charles James	New York
Barrows, Victor Ira	Vermont
Bassett, George Overton	District of Columbia
Beachley, Ralph Gregory	Maryland
Beck, Richmond James	District of Columbia
Bland, William Marshall	District of Columbia
Bowen, Wilbur L.	Virginia
Bradley, Everett Lamont	District of Columbia
Cadilla, Arturo	Porto Rico
Campbell-Chatterton, George J. B.	District of Columbia
Clark, Adrian Earl	District of Columbia
Cole, Hazen Eugene	District of Columbia
Crespo, Jose E.	Porto Rico
Crisp, Thomas B., Jr.	District of Columbia
Davis, Joshua William	Pennsylvania
Dazey, George Kendall	Texas
Demopoulos, Christos John	District of Columbia
Earnest, John Paul	District of Columbia
Epstein, Nathan	District of Columbia
Fischer, Aubrey D.	District of Columbia
Fletcher, Travis Leigh	Virginia
Freeland, Fred Bernard	District of Columbia
Gaines, John Marshall	Virginia
Gardner, William Clifford	Pennsylvania
Gates, Herbert Stelwyn	District of Columbia
Glenn, Joseph Burton	District of Columbia
Goldfain, Samuel	District of Columbia
Goodman, William Dennis	Virginia
Griffith, Harold Moore	Pennsylvania
Grossman, Myer John	Pennsylvania
Grozin, Maurice	Ohio
Guynn, Roy Frederick	Virginia
Herzmark, Maurice	District of Columbia
Hollander, Ben	California
Hollingsworth, Russell K.	District of Columbia
Hopkins, Ira Jay	Utah
Hottel, Robert Roy	Maryland
Jacobs, Merlin Edwin	District of Columbia
Jones, Robert Varnum	Michigan
Klemme, Roland M.	Illinois
Kreiselman, Joseph	Ohio
Leetch, Henry Winship	District of Columbia
Lide, Lewis Maxwell	South Carolina
Machland, Harold F.	District of Columbia
Mandelos, Nicholas A.	District of Columbia
Masson, Clement	New York

McKenzie, John Ernest	Massachusetts
Munoz, Roque N. A.	District of Columbia
Myers, Franlyn Hammett	District of Columbia
Nordlinger, George	District of Columbia
Pearlstein, Maurice	New York
Peterson, Norman Vern	Utah
Phillips, John William	North Carolina
Pitt, William Franklin	North Carolina
Rosenberg, Albert Budd	New York
Sager, William Warren	District of Columbia
Schvey, Henry	New York
Schwartz, Paul John	District of Columbia
Shapiro, Hyman David	District of Columbia
Slutsky, Benjamin Loyd	Connecticut
Smart, James Alexander	Virginia
Smiler, Nathan Norman	District of Columbia
Sonneland, Sidney G.	District of Columbia
Stibbs, H. Weston B.	New York
Stretch, Clarence Loughlin	Connecticut
Taylor, Robert Mitchell	District of Columbia
Thompson, Thomas Carlton	Pennsylvania
Tibbets, Lyman Brooke	District of Columbia
Weber, Henry Meyer	Maryland
Williman, Frank Louis	District of Columbia
Woolgar, William A. Davis	District of Columbia
Zack, Archie Rayfield	District of Columbia
Zerbe, Jack Bertolet	Pennsylvania

STUDENT ARMY TRAINING CORPS

THE DENTAL SCHOOL

Austin, David Scott	New York
Baker, DeWitt T.	Texas
Barnhard, James L.	District of Columbia
Blank, Samuel Harry	District of Columbia
Bonnett, John Albert	Ohio
Brown, Nathaniel Hawthorne	New Jersey
Burke, William Francis	Massachusetts
Byer, Nathan	New Jersey
Cohen, Frank J.	Massachusetts
Cone, Nathan	New Jersey
Detweiler, Daniel Landis	Virginia
Donovan, Edward Harold	Massachusetts
Dove, Ronald Cross	Rhode Island
Erikson, Bernhard Edwin	Illinois
Garcia, Francisco Gregorio	Porto Rico
Genesee, Louis Joseph	New York
Gonzalez, Louis	Porto Rico
Gorton, William Howard	New York
Hammond, Bennett	Pennsylvania
Harrison, Davis	New York
Harrington, George Elliott	District of Columbia
Holstein, David	New Jersey
Hunt, Elliott Albert	New Jersey
Hurwitz, Major Jonah	New Jersey
Jones, Cyril	New York
Kallish, Samuel A.	New York
Kaplan, Jacob Sol	New Jersey
Katzman, Samuel	New York
Kelly, Clarence Edward	Missouri
Kline, Chester Alexander	Maryland
Leifer, Edward David	New York
Lewis, William Eberly	District of Columbia
Link, Bernard	New York
Long, Philip Raphael	New Hampshire
May, Joseph	New Jersey
Marcus, Callie K.	New Jersey
Marks, Emil	New Jersey
McClarnon, Paul Thomas	New York
McCullough, Robert William	Maryland
Mitchell, James Francis	Rhode Island
Moore, William Seibert	New York
Morrison, Ralph Lancaster	Maryland
Moskowitz, Benjamin	New Jersey
Notes, Louis	District of Columbia
Olinger, Maurice	New Jersey
Phillips, Abraham I.	New Jersey
Rechman, Benjamin	New York
Richman, Ivan Hjalmar	Minnesota

Rhodes, William Sidney	Virginia
Rosenblatt, Louis	Russia
Rosenblum, Alexander	New Jersey
Saferstein, George Julian	New Jersey
Schantz, Emanuel	New Jersey
Silberberg, Morris	New Jersey
Singer, Morris	New Jersey
Solow, Leo	New York
Speck, Isadore	Colorado
Stiefel, Charles V.	Virginia
Thomas, Charles Lenton	Texas
Toothman, Edwin Carson	Illinois
Voelker, Joseph William	District of Columbia
Walzl, Carl W.	District of Columbia
Weber, Louis M.	New Jersey
Werner, Robert Joseph	West Virginia
Wolf, Morris	District of Columbia

STUDEN ARMY TRAINING CORPS

LAW SCHOOL

Baumgardner, Edward John	Ohio
Bihlman, Rudolf	District of Columbia
Block, David Sylvan	Maryland
Breidenbach, Samuel Heavrin	Kentucky
Burton, William Cameron	District of Columbia
George Washington University	
Carey, Maurice Francis	District of Columbia
Cole, Francis Arthur	Iowa
Central College, Pella, Iowa	
Cole, George Edward	Massachusetts
Cotlow, Louis	New York
Coughlin, Clarence William	Missouri
Daunt, George Franklin	Massachusetts
De Cicco, Joseph	New York
de Freitas, John T.	California
Di Pasquale, Louis	Rhode Island
Dodd, William Jennings	Maryland
Dornoff, Edward Robert	District of Columbia
Droes, George	District of Columbia
Ferguson, Forrest Erwin	Virginia
Flickinger, Samuel John	New Jersey
George Washington University	
Friedman, Harry	Maryland
Gittins, Charles Franklin	Iowa
University of Iowa,	
Hamilton, Ralph Hayes	Ohio
Hammack, Lewis Paul	Maryland
Heathcote, James Fillmore	Pennsylvania
Heitmuller, Ralph Emmert	District of Columbia
George Washington University	
Henault, Thomas Ransel	District of Columbia
Henderson, William Morris	Illinois
Howard, Hanson Lee	Maryland
Jones, Cyril Joseph	Maryland
Larkin, Peyton Barrett	Virginia
Levy, Israel	Maryland
Lodge, Thomas Ellis	Delaware
McConnell, Chalmers Seymour	District of Columbia
McKenna, Harry Paul	District of Columbia
Maher, Edmond Francis	Connecticut
Connecticut Agricultural College	
Motlow, George Thompson	Tennessee
Mullins, Howard Pell	Illinois
Myers, John Ferrie	District of Columbia
Myres, Eustis	Texas
Nelson, Le Roy Walter	Nebraska
Newman, Lawrence Gilbert	District of Columbia
O'Donnell, Victor Lawrence	Indiana
Osgood, Elwood Scott	Maine
Phillips, Albert Russell	California
Pierce, Clifford Davis	Tennessee
George Washington University	

Powers, Robert Supple	New York
Ravenel, Henry	District of Columbia
George Washington University	
Richdorf, Michael Leo	Wisconsin
Ring, John Hjalmar	Connecticut
Rosenberg, Herman Leeson	New Jersey
Ryan, Edward Thomas	Connecticut
Schlesinger, David	Iowa
Schlesinger, Irwin Isadore	Iowa
Schwartz, Alfred Max	District of Columbia
Smith, Maurice M.	Oklahoma
Sokol, Jacob	District of Columbia
Sokolov, Harry Eliot	District of Columbia
Spencer, Henry Caleb, Jr.	District of Columbia
Steele, Francis Willard	West Virginia
Towers, Frederic Newton	District of Columbia
Welsh, Bernard Von Walde	Maryland
Whiting, Orlon Chauncey	Utah
Wright, Russell	New York
Young, Vincent Henry	Connecticut

UNITED STATES NAVAL UNIT

**Giles B. Harber, Rear Admiral, U. S. N. (Retired),
in Command**

DEPARTMENT OF ARTS AND SCIENCES

Andrus, Floyd Jasper	District of Columbia
Atkeson, Thomas Conner	District of Columbia
Benner, Harry Lohr	District of Columbia
Bisset, George	District of Columbia
Bittner, John	District of Columbia
Brauner, Ralph Herrman	District of Columbia
Chesney, Lee Roy	District of Columbia
Cloyd, Chester Lavern	Ohio
Cockrell, Sam Fant	Mississippi
Colburn, William Edward, Jr.	District of Columbia
Eisinger, John Overton	District of Columbia
Goss, Marshall J.	Ohio
Graham, George Emlen	District of Columbia
Hagan, Jonathan Foster	Virginia
Harsch, Raymond	Ohio
Johnston, Kenneth Adelbert	District of Columbia
Kemmeries, Fred August	Missouri
Klein, Ned	New York
Kotzen, Samuel	Massachusetts
Le Masters, Earle Hamilton	District of Columbia
Levin, Myer	Connecticut
Long, Clare Victor	Pennsylvania
Martin, Virgil Bradley	District of Columbia
Murphy, Flay Louis	Oklahoma
Murphy, Paul Scarborough.....	District of Columbia
Newcomer, Harry Edward	District of Columbia
Owens, John Adams	Pennsylvania
Paul, Nathan Mortimer	New York
Ramsey, Frederick James	Connecticut
Reid, Walter Roy.	District of Columbia
Rosenberg, Edward Adolph	New York
Rutledge, Sam Howard	Tennessee
Saegart, Ernest Redfield	Connecticut
Schleisner, Samuel	Maryland
Schoffstall, Charles Warren	Pennsylvania
Stade, Galen Bashore	Ohio
Stewart, Thomas Franklin	District of Columbia
Taylor, Harvey Mathes	New Mexico
Warren, Edward Seymour	District of Columbia
White, Preston Hardy	District of Columbia

MEDICAL SCHOOL

Campbell, Elliott Muse	District of Columbia
Hayes, Thomas Hirst	Virginia
Howe, Julian Menzo	New York

DENTAL SCHOOL

Cheely, Walter Cuthbert	Colorado
Dailey, Frank Leonard	Washington
Greene, Robert E.	New York
Man, Adlai Morton	Pennsylvania
Sullivan, Walter Daniel	Massachusetts
Wheelock, Carl Randall	Ohio
Witt, Charles Ralph	Indiana

GEOGRAPHICAL DISTRIBUTION.

Alabama	15	Oklahoma	18
Arizona	3	Oregon	8
Arkansas	7	Pennsylvania	108
California	30	Rhode Island	13
Colorado	20	South Carolina	12
Connecticut	26	South Dakota	5
Delaware	3	Tennessee	28
Florida	13	Texas	51
Georgia	13	Utah	15
Idaho	3	Vermont	12
Illinois	96	Virginia	123
Indiana	49	Washington	10
Iowa	57	West Virginia	28
Kansas	37	Wisconsin	25
Kentucky	30	Wyoming	1
Louisiana	8	Alaska	1
Maine	17	District of Columbia ...	1044
Maryland	113	Hawaii	1
Massachusetts	72	Philippines	7
Michigan	43	Porto Rico	7
Minnesota	46	Canada	3
Mississippi	13	Central America	2
Missouri	9	China	14
Montana	6	Costa Rico	2
Nebraska	33	Cuba	1
Nevada	1	Egypt	1
New Hampshire	5	Greece	1
New Jersey	54	Japan	3
New Mexico	1	Mexico	1
New York	153	Russia	2
North Carolina	28	Switzerland	1
North Dakota	9		
Ohio	68	Total	2629

GENERAL SUMMARY

Teaching Staff

In many instances members of the Teaching Staff only give part time to the University:

Professors	78	
Associate Professors	30	
Associates	17	
Assistant Professors	21	
Lecturers and Instructors	63	
Assistants and Demonstrators	45	
Total	—	254

Students registered in the University during 1918-19

Department of Arts and Sciences

School of Graduate Studies	123	
Columbian College	1288	
College of Engineering	385	
Teachers College	214	
	—	2010
Summer School, 1918	308	

Professional Schools

Medical School	109	
Dental School	125	
Law School	425	
	—	659
Total		2669
Duplicates		40

Student Army Training Corps: 2629

Department of Arts and Sciences.....	237
Medical School.....	75
Dental School.....	65
Law School.....	64

441

Naval Unit:

Department of Arts and Sciences.....	40
Medical School.....	3
Dental School.....	7

50

Total 491

DEGREES CONFERRED AT COMMENCEMENT, 1918

HONORARY

MASTER OF SCIENCE

Theodore Willard Case

MASTER OF ARTS

Abram Lisner

DOCTOR OF DIVINITY

Douglas Putnam Birnie

DOCTOR OF SCIENCE

John Fillmore Hayford

William Henry Holmes

DOCTOR OF LETTERS

Joseph Smith Auerbach

James Howard Gore

James Phinney Munroe

Isabel Anderson

In Course

Bachelor of Arts

Ernest W. Ave-Lallemont, ...	Wisconsin
Everett Lamont Bradley	District of Columbia
Lucy Llewellyn Burlingame	District of Columbia
Samuel Poe Garden	Texas
(With distinction)	
Elizabeth Orlan Cullen	District of Columbia
Frances Geschickter Davis	District of Columbia
Fenton Mercer Fadeley	District of Columbia
Manuel Lloyd Fresse	District of Columbia
Mary Eloise Grabill	District of Columbia
Katherine Juanita Heron	District of Columbia
Jane Elizabeth Herrmann	Maryland
(With distinction)	
Maurice Hart Herzmark	District of Columbia
Hans Joergensen	District of Columbia
Josephine Marie Jonas	District of Columbia
Esther Kahn	District of Columbia
Victor Lyman Kebler	District of Columbia
Mary Belle Kerr	Missouri
Naghi Khan De Gharagheuslou	Persia
Adrienne King	Utah
Mina Timms McDaniel	Washington
PGad Bryan Morehouse	District of Columbia
George Nordlinger	District of Columbia
Berith Parsons	District of Columbia
Elizabeth Peet	District of Columbia
Lyle Virginia Rush	District of Columbia

George W. Salzer	New York
Marie Katharine Saunders	District of Columbia
(With distinction)	
Margaret H. Schoenfeld	District of Columbia
Howard Scott	Maryland
Dorothy Gertrude Sornborger.....	District of Columbia
(With distinction)	
Karl Stecher	Kansas
Trygve Johann Tolnas	Georgia
Emilie Mary Umhau	District of Columbia
Warren Reed West	District of Columbia
(With distinction)	
Margery Evelyn Wilson	Kansas

Bachelor of Science in Civil Engineering

Watson Davis	District of Columbia
Leon A. Hauser	New Jersey
(With distinction)	

Bachelor of Science in Electrical Engineering

Arthur Ballard Campbell	District of Columbia
Thomas Randolph Harrison	Virginia

Bachelor of Science in Mechanical Engineering

Herbert Allan Ehrman	Maryland
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Bachelor of Science in Chemistry

Wilbur August Gersdorff	District of Columbia
Bonifant Hamilton	Texas
Helen Augusta Miles	District of Columbia
Elizabeth Aldridge Paull	Virginia
Vivian Campbell Kelchner Robey.....	Maryland
Jacob Mordecai Schaffer.....	New York

Bachelor of Arts and Bachelor's Diploma in Education

Annie Marion Cardwell	Virginia
Edna Dixon	District of Columbia
Maude Franzoni English	District of Columbia
(With distinction)	
Kroes Ficklin	Virginia
Alexandra Louise Galeski	District of Columbia
Bess Alma Hankey	Pennsylvania
Rose Lees Hardy	District of Columbia
Irene Childrey Hoch	Pennsylvania
Lelia Dorothy Horne	Missouri
Lucretia Margaret Lawrence	District of Columbia
Mary Frances Murray	District of Columbia
Lettie Ethel Stewart	District of Columbia
(With distinction)	
Ethel Summy	District of Columbia
Bertha Alice Yoder	District of Columbia

Doctor of Medicine

Samuel Moffett Bittinger	Tennessee
Jack Anthony Connor	District of Columbia
Cecil Clair Davis	New Mexico
Edward Lewis	Tennessee
(With distinction)	
John Hugh Lyons	District of Columbia
(With distinction)	
Lyle Millan Mason	Virginia
Tomis Cajigas Moreu	Porto Rico
Ramin C. Ruiz Nazario	Porto Rico
George Henry Rawson	Massachusetts
Katharine W. Wright	Maryland

Nurses Certificates

Mabel M. Beard	Virginia
Josephine Billingsley	Virginia
Anna L. Bratton	Virginia
Edith Brown	District of Columbia
Sue Powell Bunn	North Carolina
Ada Chapman Dowling	West Virginia
Isla Kay	Virginia
Edith Viola Keisecome	West Virginia
Nell Moran Lambert	North Carolina
Louise S. Leutbecher	Maryland
Margaret Whitner McFerran	Virginia
Hilda McKee, ...	West Virginia
Lucile V. Powell	West Virginia
Bessie M. Palmer	District of Columbia
Mozelle Simpson	Virginia
Carrie V. Sowers	Virginia
Minne Gertrude Taylor	Virginia
Janie Walters	Virginia
Florence Stuart Woolfolk	Virginia

Doctor of Dental Surgery

Ralph William Smead Bonnett	Ohio
Eugenia Butkiewicz	District of Columbia
Elmer E. Christiansen	Utah
John Blake Copping	Maryland
Earl Fielding Danforth	District of Columbia
Hilmer Alvin Erickson	Minnesota
Abraham Joseph Fainman	Russia
George Andrew Flanagan	New York
William Keroes	District of Columbia
Henry Clay Lowry	Michigan
Oscar Leonard Manley	Missouri
Hymen Popkin	New Jersey
Arma Exner Rush	District of Columbia
Gunichi Shibata	Japan
William Manley Sweet	District of Columbia
Herman Henry Vordermark	South Dakota
Eugene LeRoy Walter	District of Columbia

Bachelor of Laws

Lyle Thomas Alverson	Illinois
Leon Ancheta	Philippine Islands
Frederick Verne Arber	Illinois
Robert Ash	New York
Halsey Warren Bardwell	Vermont
Maurice Baskin	District of Columbia
John Thomas Birmingham	Connecticut
Ralph Waldo Brown	District of Columbia
Robert Edward Burg	District of Columbia
Ernest Philip Carbo	District of Columbia
Louis Malvern Denit	District of Columbia
Glenn Robert Eudaley	Kentucky
Hadley Fairfield Freeman	Ohio
Solomon Ginsberg	New York
Gilbert Lewis Hall	Oregon
Harold Fitz-Hugh Hanes	Virginia
Jeannette Jewell	District of Columbia
Harry Waldo Kidder	Maine
Roy William Larsen	Minnesota
Charles Anselm Lind	Minnesota
Alfred Brisco Lindsay	District of Columbia
David Lorenz	District of Columbia
Walter Joseph Madden	South Dakota
Rhesa Miles Norris	Pennsylvania
John A. Osoinach	Mississippi
(With distinction)	
Ruth Campbell Osoinach	Mississippi
Arthur Seymour Parker	District of Columbia
William Horace Parmelee	Pennsylvania
George Curtis Peck	New York
Daniel Lee Richey	Kansas
Edgar Cummings Sanborn	New Hampshire
Donald D'Arcy Shepard	District of Columbia
Gerald Vernell Weikert	District of Columbia
(With distinction)	

Master of Laws

Andrew Clifford Wilkins	Illinois
Doctor of Pharmacy	
Clayton Lawrence Bowman	Virginia
William Edward Dement	District of Columbia
Henry Lewis Flemer	District of Columbia

Doctor of Veterinary Medicine

Lester Gilbert Chase	Maine
(With distinction)	
Lindsay Leland Criswell	Indiana
(With distinction)	
Homer Arresta Dennewitz	Ohio
(With distinction)	
Laurence Irwin Hines	Nebraska
(With distinction)	

John Oscar Kelser	District of Columbia
Frank Robert Lanahan	District of Columbia
Louis Lawych	District of Columbia
Adolfo Cabo Ocantos	Argentina
Francis Larmour Oyster	District of Columbia
Emmett William Price	West Virginia
(With distinction)	
Walter Eugene Seymour	Ohio
(With distinction)	
Francis Henry Wessell	Connecticut
(With distinction)	

Master of Science

William Augustus Boyle.....	New York
B.S. in Chem., 1917, George Washington University	
Theresa Karger.....	District of Columbia
B.S. in Chem., 1917, George Washington University	
Shojiro Kubashiro	Japan
S.B., 1907, Technical College, Tokio	
William Thomas McGeorge	Kansas
S.B., 1909, University of Kansas	

Master of Arts

John Norman Clapp	New York
A.B., 1917, Washington Missionary College	
Lula Hansena Ferris	New York
A.B., 1917, Washington Missionary College	
Marie Ellen Gatchell	District of Columbia
A.B., 1916, George Washington University	
Marie Louise Hercent	France
A.B., 1916, University of California	
Archie Reed Hollinger	Pennsylvania
A.B., 1915, Pennsylvania College	
Elmer Louis Kayser	District of Columbia
A.B., 1917, George Washington University	
Charles Smull Longacre	District of Columbia
A.B., 1914, Emanuel Missionary College	
Paul Nelson Pearce	Michigan
A.B., 1916, Union College	
Ruth Vesta Pope	District of Columbia
A.B., 1913, George Washington University	
Mabel Alida Robey	Maryland
A.B. and Bachelor's Diploma in Education, 1917, George Washington University	
Christian Martin Sorenson	Maryland
A.B., 1917, Washington Missionary College	
Eleanore Winifred Stanton	Rhode Island
A.B., February, 1918, George Washington University	

Doctor of Philosophy

Edwin Franklin Albertsworth	District of Columbia
A.B., 1915; A.M., 1916, George Washington University	
Arthur Challen Baker	Virginia
B.S. in Agr., 1911, University of Toronto	
Reginald Hunter Colley	New Hampshire
A.B., 1909, Dartmouth College; A.M., 1912, Harvard University	
Charles William Heathcote	Pennsylvania
A.B., 1905; A.M., 1908, Pennsylvania College	
Walton Colcord John	Illinois
A.B., 1914; A.M., 1915, George Washington University	
John Arthur Franklin Pfeiffer.....	Maryland
M.D., 1908, Baltimore Medical College; A.M., 1916 George Washington University.	
William Carson Ryan, Jr.....	New Jersey
A.B., 1907, Harvard University	

AT OCTOBER CONVOCATION, 1918

Bachelor of Arts

Archibald John Larsen	
Frank Deane Moore	
Elizabeth Laura Richardson	District of Columbia
Augusta Freeman Young	North Dakota
Charles Newton Thompson	District of Columbia

Master's Diploma in Education

John Norman Clapp	New York
Lula Hansena Ferris	New York

Doctor's Diploma

Walton Concord John	Illinois
William Carson Ryan	New Jersey

Doctor of Medicine

Gilbert Vernon Hartley	District of Columbia
Francis William Joyce	Pennsylvania
Herbert Hermann Schoenfeld.....	District of Columbia

Doctor of Dental Surgery

Joseph Evans Arbeely	District of Columbia
Joseph Alexander Boiko	New York
Frederick William Horgan.....	Massachusetts
Edward Joseph Kearney	District of Columbia
Dean Joseph McCarthy.....	District of Columbia
Francisco Rustia	Philippine Islands
Milton Stephens	Tennessee
Charles Gregory Sullivan	Massachusetts
Walter Eagan Tracy.....	New Jersey

Bachelor of Laws

Edward Curtis Taylor.....	Massachusetts
S.B., 1914, Massachusetts Institute of Technology	

Mechanical Engineer

Robert Alexander Haliburton	North Carolina
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AT WINTER CONVOCATION, 1919

HONORARY

Doctor of Letters

George Neely Henning
James MacBride Sterrett

Doctor of Laws

George Carroll Todd
James Wolcott Wadsworth, Jr.

In Course

Bachelor of Arts

King Chu China
Elaine Lazaro Louisiana
Leonila Marie Lloyd District of Columbia

Bachelor of Laws

Frederick William Hensel Minnesota
James Wallace Nichol Michigan
Clifford Fontaine Stone.....Wisconsin
John Daniel Stuwe Minnesota
B.S. in C.E., 1912 George Washington University

Master of Arts

Jerry Maurice Henry Virginia
A.B., 1909, Bridgewater College

Doctor of Philosophy

G. Dallas Hanna Kansas
A.B., 1910, A.M., 1913, University of Kansas

Nurse's Certificates

Grace Lake
Laurel Hayden
Virginia Sims Kirby

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CLAYTOR, T. A. (136)	1826 R St.
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COHEN, R. (138)	439 M St.
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DAVIS, T. A. (35)	635 I St.
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FOLEY, T. M. (138)	901 16th St.
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FRANKLIN, E. T. M. (138)	1315 19th St.
FRANZ, S. I. (24)	St. Elizabeth's Hospital
FULLER, H. G. (138)	1884 Columbia Rd.
GEBHART, A. I. (35)	903 13th St.
GLOVER, C. C. JR. (10)	737 15th St.
GORE, J. H. (21)	2210 R St.
GREENE, S. H. (138)	1460 Rhode Island Ave.
GROSVENOR, G. H. (10)	Hubbard Memorial Hall
HAGAN, W. L. (138)	Real Estate Trust Bldg.
HAGAN, E. R. H. (184)	Clarendon, Va.
HAGNER, F. R. (136)	The Farragut Apt.
HALL, A. (24)	Naval Observatory.
HALL, C. L. (137)	1408 Chapin St.
HALSEY, W. D. (30)	1801 Wyoming Ave., Apt. 44
HAMILTON, B. (35)	3125 24th St. N. E.
HARRINGTON, G. T. (33)	610 Randolph St.
HARRIS, A. L. (26)	1505 Lamont St.
HASSELL, J. C. (138)	St. Elizabeth's Hospital
HATFIELD, W. B. (137)	Naval Medical School
HENNING, G. N. (23)	1604 Newton St.
HEWETT, E. L. (33)	1741 New York Ave.
HIGGINS, M. E. (137)	Naval Hospital
HERRINGTON, M. C. (330)	25 Quincy Place, N. E.
HILL, C. E. (28)	35 Sycamore Hill, Takoma, D. C.
HILL, E. A. (29)	2246 Cathedral Ave.
HODGKINS, B. D. (35)	2006 N St.
HODGKINS, H. G. (32)	2006 N St.
HODGKINS, H. L. (21)	1830 T St.
HOLMES, C. W. (13)	3228 13th St.
HONAMAN, K. (31)	2645 N. Capitol St.
HOPKINS, A. (10)	1826 Massachusetts Ave.
HOPKINS, H. C. (183)	1826 Conn. Ave.
HOPKINS, N. M. (29)	2128 Bancroft Pl.

HOPKINS, T. S. (10)	Hibbs Building
HORNADAY, F. A. (137)	3509 14th St.
HUMPHREYS, W. J. (25)	1016 Vermont Ave.
HUNTER, O. B. (136)	31 E. Oxford St.
HUNTINGTON, W. H. (138)	1624 I St.
HYDE, C. W. (138)	The Alabama
IBRAHIM, A. E.	Medical School
JACKSON, V. B. (138)	The Brunswick
JOHNSON, A. F. (30)	2224 F St.
JONES, C. K. (33)	314 Maryland Ave., N. E.
JONES, W. H.	3625 10th St.
KANE, H. F. (138)	Stoneleigh Court
KAYSER, E. L. (34)	3129 O St.
KEMBLE, A. (138)	The Cecil
KERN, R. R. (26)	The Iowa, 13th & O Sts. Apt. 63
KERR, H. H. (137)	1742 N St.
KILLINGER, W. C.	632 C St. N. E.
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KING, WILLIAM BRUCE (10)	728 17th St.
KNAPP, M. A. (10)	Stoneleigh Court
KNOTT, C. O. (138)	1006 I St. S. E.
KOCHENDERFER, C. C. (30)	Copley Courts, Apt. 211
LAGARDE, L. A. (126)	2624 Woodley Pl.
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LARNER, J. B. (10)	900 F St.
LATIMER, J. W. (207)	Wilkins Bldg.
LAWSON, H. W. (137)	1706 Rhode Island Ave.
LAYTON, R. E. (184)	3019 O St.
LEECH, F. (137)	1359 Columbia Rd.
LEPPER, H. A. (35)	1417 Allison St.
LEVITON, M. (35)	1724 Conn. Ave.
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LITTLEHALES, G. W. (26)	2132 LeRoy Place
LITTLEPAGE, W. H. (138)	The Alabama
LOHR, VERNON J. (184)	Union Savings Bldg.
LYNN, H. L. (330)	Rosslyn, Va.
LYON, Q. (35)	636 S. Carolina Ave., S. E.
MARTHUR, L. E. (31)	2112 F St.
MCCAFFREY, L. L. (35)	28 Second St., N. E.
MCDANIEL, A. B. (29)	203 A St. S. E.
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MCNEIL, H. C. (28)	1210 Decatur St.
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MACMILLAN, J. T. (32)	207 A St. S. E.
MALLORY, W. J. (138)	1720 Connecticut Ave.
MANN, A. (24)	Bureau of Seed & Plant Introduction, Dept. of Agriculture
MARBURY, W. B. (138)	1628 19th St.
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MARTIN, T. C. (137)	The Rochambeau
MEAD, S. V. (184)	1120 Fairmont St.
MEDLER, E. N.	Army Medical School
MERRILL, W. H. (138)	Garfield Hospital
MESS, C. J. (183)	1424 K St.
MICHELSON, T. (27)	Smithsonian Institution
MILES, H. A. (35)	1418 Rhode Island Ave.
MILLER, G. B. (136)	1730 K St.
MOORE, G. F. (10)	16th and S Sts.
MOORE, J. H. (35)	Silver Springs, Md.
MOORE, M. J. (35)	111 Tennessee Ave, N. E.
MOORE, W. C. (138)	The Wyoming
MOORE, W. L. (25)	Rockville, Md.
MORAWSKI, A. W. (35)	442 Mass. Ave.
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PORTER, E. C. (330)	2101 G St.
PRYOR, J. C. (28)	Naval Hospital, No. 2 Quarters
PUTZKI, P. S. (184)	1862 California St.

RAFTER, R. R. (138)	1801 K St.
RAMSEY, H. P.	322 D St. N.E.
RANDOLPH, B. M. (136)	The Toronto
RAWSON, G. H. (138)	708 Massachusetts Avenue
REEVES, W. P. (137)	The Congressional
RESSER, C. E. (33)	U. S. National Museum
REICHELDERFER, L. H. (136)	1721 Connecticut Ave.
RICHARDSON, C. W. (136)	1317 Connecticut Ave.
RICHARDSON, E. E. (26)	1001 Alabama Ave. S. E.
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SCHAPIRO, ISRAEL (27)	Library of Congress
SCHATZ, E. (13)	1840 2nd St.
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SCHMITT, W. L. (33)	Smithsonian Institution
SCHNEBLY, M. I. (207)	1448 Park Road
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SCHULZ, W. H. (137)	1335 H St.
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SELBY, J. H. (138)	1206 18th St.
SELLNER, A. E. (330)	1335 H St.
SHANDS, A. R. (136)	901 16th St.
SHELTON, C. R. (183)	Champlain Apts.
SHOEMAKER, C. G. (183)	826 Connecticut Ave.
SIMPSON, C. A. (138)	1219 Connecticut Ave.
SMALL, W. S. (31)	1330 Irving St.
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STAVELEY, A. L. (136)	1744 M St.
STERRETT, J. M. (22)	Pierce Mill Road
STITT, E. R. (137)	1708 R St.
STOCKTON, C. H. (32)	2017 O St.
STRANG, H. L.	2020 First St.
STRAUSBAUGH, M. (330)	2101 G St.
SULLIVAN, R. Y. (138)	The Rochambeau
SUTTON, L. H. (208)	700 10th St.

SWETT, O. D. (28)	Chevy Chase, Md.
SWISHER, C. C. (23)	1810 Kalorama Road
SYMONDS, H. U. (33)	2551 37th St.
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TAYLOR, J. W. (183)	1616 I St.
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THOMPSON, J. L. (138)	1404 M St.
THURSTON, E. L. (10)	1414 Madison St.
TIBBETTS, A. P. (138)	1223 Vermont Ave.
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A PRAYER
BY
GEORGE WASHINGTON

Almighty God: We make our earnest prayer that Thou wilt keep the United States in Thy holy protection, that Thou wilt incline the hearts of the citizens to cultivate a spirit of subordination and obedience to government; and entertain a brotherly affection and love for one another and for their fellow-citizens of the United States at large. And finally that Thou wilt most graciously be pleased to dispose us all to do justice, to love mercy and to demean ourselves with that charity, humility and pacific temper of mind which were the characteristics of the Divine Author of our blessed religion and without a humble imitation of whose example in these things we can never hope to be a happy nation. Grant our supplication, we beseech Thee, through Jesus Christ, our Lord. Amen.

*This prayer is used regularly at "The President's Chapel" of the George Washington University, and voices the aspirations of the University for the fulfillment of civic duties and the promotion of national welfare.

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NUMBER 1

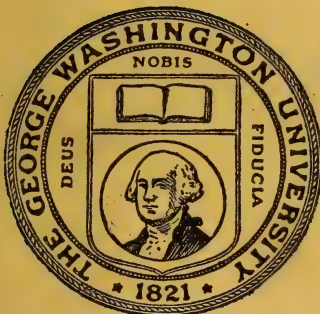
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**"SEEK THE TRUTH WITHOUT PREJUDICE
SPEAK THE TRUTH WITHOUT FEAR."**

**George Washington University
BULLETIN**

CATALOGUE NUMBER

APRIL, 1920

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PART I
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1920							1921													
JULY							JANUARY							JULY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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19	20	21	22	23	24	25	19	20	21	22	23	24	25	18	19	20	21	22	23	24
26	27	28	29	30	31	...	26	27	28	29	30	...	...	25	26	27	28	29	30	31
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UNIVERSITY CALENDAR

1920

February	2	<i>Monday.</i> —Second half-year begins.
February	22	<i>Sunday.</i> —Winter Convocation Sermon.
February	23	<i>Monday.</i> —Winter Convocation. A holiday in all Departments of the University.
April	2-5	<i>Friday to Monday,</i> both inclusive.—Easter Holidays.
April	11	<i>Tuesday.</i> —Davis Prize Speaking.
April	19	<i>Monday.</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
May	17	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	20	<i>Thursday.</i> —Final examinations, Department of Arts and Sciences begin.
May	25	<i>Tuesday.</i> —Doctorate Disputation.
May	30	<i>Sunday.</i> —Baccalaureate Sermon.
May	31	<i>Monday.</i> —Commencement.
June	17-30	Registration for the Summer School.
June	21	<i>Monday.</i> —Instruction begins in the three-credit courses coming at 7.45 A. M., and in all afternoon classes.
June	28	<i>Monday.</i> —Instruction begins in the two-credit course coming in the forenoon.
September	29	<i>Wednesday.</i> —Academic year begins in all departments of the University.
October	12	<i>Tuesday.</i> —Last day on which theses of candidates for Engineering and Master's degrees at the Fall Convocation may be presented.
October	13	<i>Wednesday.</i> —Stated meeting of the Board of Trustees.
October	28	<i>Thursday.</i> —Fall Convocation.
November	25-27	<i>Thursday to Saturday,</i> both inclusive.—Thanksgiving recess.

RECESS FROM DECEMBER 24, 1920 TO JANUARY 2, 1921, BOTH INCLUSIVE

1921

January	7	<i>Friday.</i> —Last day on which theses of candidates for the Doctorate degree at the Winter Convocation may be presented.
January	12	<i>Wednesday.</i> —Stated meeting of the Board of Trustees.
January	24	<i>Monday.</i> —Midyear examinations in the Department of Arts and Sciences begin.
January	31	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Winter Convocation may be presented.

January	31	<i>Monday.</i> —Second half-year begins.
February	15	<i>Tuesday.</i> —Doctorate Disputation.
February	20	<i>Sunday.</i> —Winter Convocation Sermon.
February	22	<i>Tuesday.</i> —Winter Convocation. A holiday in all departments of the University.
March	4	<i>Friday.</i> —Inauguration Day. Holiday in all departments of the University.
March	25–28	<i>Friday to Monday</i> , both inclusive.—Easter Holidays.
April	6	<i>Tuesday.</i> —Davis Prize Speaking.
April	25	<i>Monday.</i> —Last day on which theses of candidates for the Doctorate degree at the Commencement may be presented.
May	23	<i>Monday.</i> —Last day on which theses of candidates for the Engineering and Master's degrees at the Commencement may be presented.
May	25	<i>Wednesday.</i> —Final examinations, Department of Arts & Sciences begin.
May	31	<i>Tuesday.</i> —Doctorate Disputation.
June	1	<i>Wednesday.</i> —Annual meeting of the Board of Trustees.
June	5	<i>Sunday.</i> —Baccalaureate Sermon.
June	8	<i>Wednesday.</i> —Commencement.
June	16–25	Registration for the Summer School.
June	20	Summer School opens.

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Admissions.—Professors HODGKINS, RUEDIGER, and WILBUR.

Commencement Exercises.—The President, Professors SWETT, ALDEN, the Secretary, and the Treasurer.

Schedule.—Professors HENNING, HODGKINS, and RUEDIGER.

Library.—Professors SCHOENFELD, HENNING, the Librarian.

Summer School.—Professors RUEDIGER, HODGKINS, HUNTER, and VAN VLECK.

Student Activities.—Professors HALSEY, HENNING, RUEDIGER, VAN VLECK (Secretary,) DOYLE, MORRISON, and KALUSOWSKI.

HISTORY AND PRESENT ORGANIZATION

HISTORY

The George Washington University is the successor of the Columbian College in the District of Columbia which was chartered by an act of Congress approved February 9, 1821. In 1873 the name was changed to Columbian University and in 1904 to The George Washington University.

The first commencement of Columbian College was held on the 15th of December, 1824, with the President of the United States; the Honorable John Quincy Adams, Secretary of State; the Honorable John C. Calhoun, Secretary of War; the Honorable Henry Clay, Speaker of the House of Representatives; and General Lafayette among those present.

Work in the College was confined to the Arts and Sciences until March, 1825, when the Medical Department was established under the conduct of Dr. Thomas Sewall. The Medical Department is thus in the chronological order of establishment the seventeenth medical school in the United States. In 1826 the Law Department was founded with the Honorable William T. Carroll and Mr. Justice Cranch as its professors. Shortly afterward the school was discontinued, but was reopened in 1865. A Theological School founded also in 1826 was soon moved to Newton, Mass., where it now flourishes. On October 1, 1884, the Corcoran Scientific School, now the College of Engineering, was founded. Under Dean Charles E. Munroe the School of Graduate Studies was organized in 1893. The Dental School which had as its nucleus a course of lectures begun in November 1887, will be temporarily discontinued by action of the Board of Trustees after June 1, 1920. Teachers College was started as The Division of Education in 1907. In 1919, the National College of Pharmacy, organized in 1905 as an affiliated college of the University and suspending during the last year of the war, was reopened as the School of Pharmacy, a division of the Department of Medicine, Dentistry and Pharmacy.

EDUCATIONAL ORGANIZATION

Department of Arts and Sciences
School of Graduate Studies
Columbian College
College of Engineering
Teachers College

Department of Medicine, Dentistry and Pharmacy
The Medical School
The Dental School
The School of Pharmacy

ANNUAL COMMENCEMENT

The Annual Commencement is held thirty-six weeks after the last Wednesday in September. Students who have satisfied the requirements for degrees subsequent to the June Commencement may be awarded degrees at the Fall Convocation on October 28.

The Winter Convocation is held on February 22.

UNIVERSITY ASSEMBLIES

University Assemblies will be held from time to time, the attendance of students upon which may be required.

SPECIAL UNIVERSITY LECTURES

In accord with the University's desire to provide some extension courses that will appeal to the public and especially to persons desiring to take special courses in Arts or Letters, a course of eight lectures has been arranged for the year 1920-21. The lectures will be delivered by Langdon E. Mitchell, Litt. D., and will deal principally with poetry. The lectures will be held during the first half of the second semester, most of them during the Lenten Season. Members of the public desiring to attend may obtain tickets of admission at a fee of six dollars at the office of the Recorder, Lisner Hall, 2023 G Street.

THE UNIVERSITY LIBRARY

The University Library comprises the Library of the Department of Arts and Sciences, the Law Library, and the Medical Library. It contains 55,000 volumes.

In addition to its general collections the Library of the Department of Arts and Sciences contains the Library of the late Professor Richard Heinzel, of the University of Vienna, containing 7,200 books and pamphlets in Germanic philology and literature, and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, containing 7,900 books and pamphlets in Greek and Roman literature, archeology, and history; the Mount Vernon Alcove containing 4,000 volumes in political history, international law, and the social sciences. Besides, the library of the American Institute of Architects, consisting of 1,063 volumes and portfolios of plates and drawings, is deposited in the reading room as a loan collection, where it is accessible, also, to all local architects. The library is open from 9 a. m., to 10.30 p. m.

The Law Library, containing 7,500 volumes, is open from 8.30 a. m. to 10 p. m.

The Medical Library, containing about 3,000 volumes, is open from 9 a. m. to 9 p. m.

PRIVILEGES IN GOVERNMENTAL INSTITUTIONS OPEN TO UNIVERSITY STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

“Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

PART II

DEPARTMENTS OF THE UNIVERSITY

DEPARTMENT OF ARTS AND SCIENCES

FACULTY

WILLIAM MILLER COLLIER, LL.D.....President of the University
JAMES HOWARD GORE, Ph.D., LL.D., Litt.D.,

Professor Emeritus of Mathematics

HOWARD LINCOLN HODGKINS, Ph.D...Dean of the Department of Arts and
Science and of the College of Engineering, and Professor of Mathematics

HERMANN SCHOENFELD, Ph.D., LL.D.....Professor of German

JAMES MACBRIDE STERRETT, A.M., D.D., Litt.D.,

Professor Emeritus of Philosophy

CHARLES EDWARD MUNROE, Ph.D., LL.D.,

Dean Emeritus of the School of Graduate Studies and Professor
Emeritus of Chemistry.

GEORGE PERKINS MERRILL, Ph.D., Sc. D... Professor Emeritus of Geology

FRANK WIGGLESWORTH CLARKE, Sc.D., LL.D.,

Professor of Mineral Chemistry

WILLIAM ALLEN WILBUR, A.M., Litt.D.,

Dean of Columbian College and Professor of English

CHARLES CLINTON SWISHER, Ph.D., LL.D.....Professor of History

MITCHELL CARROLL, Ph.D.,

Professor of Archaeology and the History of Art

PAUL BARTSCH, Ph.D.....Professor of Zoology

GEORGE NEELY HENNING, A.M., Litt.D.,

Dean of the School of Graduate Studies and Professor of Romance
Languages.

ALBERT BURNLEY BIBB.....Professor of Architecture

ASAPH HALL, JR., Ph.D.....Professor of Astronomy

SHEPHERD IVORY FRANZ, Ph.D., LL.D., M.D.,

Professor of Experimental Psychology

CHARLES SIDNEY SMITH, Ph.D.....Professor of Greek and Latin

WILLIAM CARL RUEDIGER, Ph.D.,

Dean of Teachers College, and Professor of Educational Psychology

ALFRED FRANCIS WILLIAM SCHMIDT, A.M.....Professor of German

WILLIS LUTHER MOORE, Sc.D., LL.D... Professor of Applied Meteorology

WILLIAM JACKSON HUMPHREYS, C.E., Ph.D.,

Professor of Meteorological Physics

EDWARD ELLIOTT RICHARDSON, M.D., Ph.D.....Professor of Philosophy

GEORGE WASHINGTON LITTLEHALES,...Professor of Nautical Science

RAY SMITH BASSLER, Ph.D..... Professor of Geology

ROBERT RUSS KERN, A.B.....Professor of Economics and Sociology

ALBERT LEWIS HARRIS, B.S. in Arch.....Professor of Architecture

DE WITT CLINTON CROISSANT, Ph.D.....Professor of English

JOAQUIN DE SIQUEIRA COUTINHO, Kt., Sc.D.,

Professor of Portuguese Language and Literature

LOUIS COHEN, B.S. in E.E. Professor of Radio-Electricity

ISRAEL SCHAPIRO, Ph.D.,

Professor of Semitic Languages and Literature

TRUMAN MICHELSON, Ph.D. Professor of Ethnology

JAMES CHAMBERS PRYOR, A.M., M.D.,

Professor of Preventive Medicine

CHARLES EDWARD HILL, Ph.D. Professor of Political Science

JOHN THOMAS ERWIN, A.M. Professor of Mathematics

HIRAM COLVER MCNEIL, Ph.D. Professor of Chemistry

ALLERTON SEWARD CUSHMAN, Ph.D. Professor of Chemistry

OTIS DOW SWETT, S.M., LL.M. Professor of Chemistry

ALLAN BOWYER MCDANIEL, B.S., ... Acting Professor of Civil Engineering

JOHN RAYMOND LAPHAM, M.S. in C.E. Professor of Civil Engineering

NEXIL MONROE HOPKINS, Ph.D. Assistant Professor of Chemistry

EDWIN ALLSTON HILL, Ph.D. Assistant Professor of Chemistry

LEVI RUSSELL ALDEN, A.M., LL.B. Assistant Professor of History

BEDFORD BROWN, S.B. Assistant Professor of Architecture

GEORGE MORTON CHURCHILL, Ph.D. Assistant Professor of History

EDWARD ROGERS NOYES, M.D. Assistant Professor of Chemistry

THOMAS BENJAMIN BROWN, Ph.D. Assistant Professor of Physics

CLARENCE CAMERON KOCHENDERFER, A.M.,

Assistant Professor of Commerce

HENRY GRATTAN DOYLE, A.M.,

Assistant Professor of Romance Languages

WILLIAM DARRACH HALSEY, A.B.,

Assistant Professor of Mechanical Engineering

LEONARD D. NORSWORTHY, C.E., A.M.,

Acting Assistant Professor of Civil Engineering

LOUIS EUGENE MCARTHUR, A.M. Assistant Professor of History

HARRY GRANT HODGKINS, A.B. Assistant Professor of Mathematics

ELMER LOUIS KAYSER, A.M.,

Secretary of the University and Assistant Professor of History

ROBERT WHITNEY BOLWELL, A.M. Assistant Professor of English

JOHN METCALF, Ph.D. Assistant Professor of Psychology

CHARLES HERBERT STOCKTON, LL.D. Lecturer on International Law

FREDERICK EUGENE FOWLE, JR., S.B. Lecturer on Astro-Physics

WILLARD STANTON SMALL, Ph.D. Lecturer on Education

JULIA THECKLA MACMILLAN, S.M. Instructor in Zoology

CHARLES EDWIN VAN OSTRAND, S.M., Lecturer on Mathematical Physics

MARIETTA STOCKARD ALBION, A.B.,

Lecturer on the Teaching of Children's Literature

EDWARD CULLOM, A.M. Instructor in French

EDGAR LEE HEWETT, D.Soc. Lecturer on Archaeology

CECIL KNIGHT JONES, B.Litt.....Instructor in Spanish
 ALEXANDER WETMORE, M.S.....Instructor in Zoology
 HARRIET UNDERWOOD SYMONDS, A.M.....Lecturer on Education
 CHARLES ELMER RESSER, Ph.D.....Instructor in Geology
 WALDO LASALLE SCHMITT, S.B., A.M.....Instructor in Zoology
 GERTRUDE RICHARDSON BRIGHAM, Ph.D.,

Instructor in Archaeology and History of Art

EARL GORDON MARSH, C.E.....Instructor in Civil Engineering
 FRANK ALBERT WOODWARD, B.S. in M.E.....Instructor in Drawing
 XAVIER TEILLARD, B. ès L.....Instructor in French
 FRANK NCGINLEY PHILLIPS, Ph.D.....Instructor in Statistics
 JUAN B. SALDANA.....Instructor in Spanish
 LAWRENCE C. WOODMAN, A.B.....Instructor in English
 DANIEL A. CHACE, A.B.....Instructor in Journalism
 CLAY LUTHER JENNISON.....Instructor in Naval Architecture
 C. F. KRAMER, A.M.....Instructor in French
 JAMES C. CORLISS, A.B.....Instructor in Romance Languages
 JOSEPH HENRY WILSON, B.S in M.E...Instructor in Mechanical Drawing
 CLETUS H. KILLIAN.....Instructor in Mechanical Engineering
 WILLIAM L. CHENEY, B.S.....Instructor in Physics
 A. L. DIERSTEIN.....Instructor in Applied Mathematics
 JOSEPH B. RAWLINGS, B.S. in E.E...Instructor in Electrical Engineering
 FRANK C. DANIEL, A.B.....Instructor in Mathematics
 H. LEFFLER, M.D.....Instructor in Chemistry
 GUS KILTON PATTISON, A.B.....Instructor in Romance Languages
 MERLE I. PROTZMAN, A.B.....Instructor in Romance Languages
 BENJAMIN C. CRUIKSHANKS, B.S. in M.E.,

Instructor in Mechanical Engineering

GEORGE W. PHILLIPS, B.S. in Chem.....Instructor in Chemisrty
 HENRY ALBERT LEPPER, B.S. in Chem.....Assistant in Chemistry
 BONIFANT HAMILTON, B.S. in Chem.....Assistant in Chemistry
 J. NORMAN TAYLOR, B.S. in Chem.....Assistant in Chemistry
 PETER VALEAR, M.S.....Assistant in Chemistry
 ALICE J. WHITSON, B.S.....Assistant in Chemistry
 JAMES L. YOUNG, B.S. in Chem.....Assistant in Chemistry
 BEVERLY L. CLARKE.....Student Assistant in Chemistry
 DELMOUR J. FUQUA.....Student Assistant in Chemistry
 ALBERT L. GEBHART.....Student Assistant in Chemistry
 SAMUEL R. KLINE.....Student Assistant in Chemistry
 ELMER H. KREHBIEL.....Student Assistant in Chemistry
 NORRIS H. SANBORN.....Student Assistant in Chemistry
 ALBERT A. SPEAR.....Student Assistant in Chemistry
 GORDON C. TIBBETTS.....Student Assistant in Chemistry
 PAUL C. VAN NATTA.....Student Assistant in Chemistry
 MEYER WEINSTEIN.....Student Assistant in Chemistry

ALBERT J. FIHE.....	Student Assistant in Physics
CASPER L. COTTRELL.....	Student Assistant in Physics
GEORGE S. HASTINGS.....	Student Assistant in Physics
DARWIN J. POPE.....	Student Assistant in Physics
WILLIAM J. CHEYNEY.....	Student Assistant in History
NONA B. POLLNER.....	Student Assistant in Economics
WILLIAM HARRIS.....	Student Assistant in Architecture
VIRGIL BROOKS WILEY.....	Student Assistant in History
MAY BLANCHE EINSTEIN.....	Assistant in the Library
MILDRED J. MOORE.....	Assistant in the Library
RUTH FRANCES ALLEN.....	Assistant in the Library
JULIA Irene Daniels.....	Assistant in the Library
ALMA BARKER.....	Assistant in the Library
HANNAH LOUISE GARDNER DONK.....	Assistant in the Library
JOHN R. MASON.....	Assistant in the Library
RUTH FRANCES ALLEN.....	Student Assistant in English
JOHN AMAN.....	Student Assistant in English
ROBERT BOSWORTH.....	Student Assistant in English
JULIA IRENE DANIEL.....	Student Assistant in English
ETHEL JOHNSON.....	Student Assistant in English
QUINTER LYON.....	Student Assistant in English
HELEN MANKEY.....	Student Assistant in English
MARGARET METZEROTT.....	Student Assistant in English
AGNES NELSON.....	Student Assistant in English
HERBERT B. NICHOLS.....	Student Assistant in English
LILLIE M. PAYNE.....	Student Assistant in English
MARGARET PREINKERT.....	Student Assistant in English
ELIZABETH SCHAAF.....	Student Assistant in English
MIRIAM SELAH.....	Student Assistant in English
KATHERINE SYMMONDS.....	Student Assistant in English
BEATRICE TAIT.....	Student Assistant in English
LELLA WARREN.....	Student Assistant in English
LYDIA WESTCOTT.....	Student Assistant in English

FACULTY OF THE SCHOOL OF GRADUATE STUDIES

President Collier, Dean Henning, Professors Hodgkins, Schoenfeld, Clarke, Wilbur, Swisher, Carroll, Bartsch, Henning, Hall, Franz, Smith, Ruediger, Schmidt, Moore, Humphreys, Richardson, Littlehales, Bassler, Kern, Croissant, Schapiro, Michelson, Pryor, C. E. Hill, Coutinho, Cohen, Erwin, Cushman, McNeil, Swett, Lapham. Assistant Professors Hopkins, E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, Kayser, Bolwell, Metcalf; Messrs. Small, Van Orstrand, Miss Brigham.

FACULTY OF COLUMBIAN COLLEGE

President Collier, Dean Wilbur, Professors Hodgkins, Schoenfeld, Swisher, Carroll, Bartsch, Henning, Bibb, Smith, Ruediger, Schmidt,

Richardson, Bassler, Kern, Croissant, Coutinho, Schapiro, C. E. Hill, McNeil, Erwin, Swett, Lapham; Assistant Professors E. A. Hill, Alden, Churchill, T. B. Brown, Kochenderfer, Doyle, Halsey, McArthur, Hodgkins, Bolwell, Metcalf, Kayser; Messrs. Cullom, Jones, Resser, Teillard, Cheney, Pattison, Protzman, Cruikshanks, Miss Macmillan, Miss Brigham.

FACULTY OF COLLEGE OF ENGINEERING

President Collier, Dean Hodgkins, Professors Schoenfeld, Wilbur, Henning, Bibb, Schmidt, Littlehales, Bassler, Harris, McNeil, Erwin, Swett, Lapham; Assistant Professors Alden, Brown, T. B. Brown, Doyle, Halsey, Norsworthy, H. G. Hodgkins; Messrs. Cullom, Resser, March, Cheney, Pattison, Protzman, Cruikshanks.

FACULTY OF TEACHERS' COLLEGE

President Collier, Dean Ruediger, Professors Hodgkins, Schoenfeld, Wilbur, Swisher, Bartsch, Henning, Smith, Schmidt, Richardson, Bibb, Bassler, Kern, Croissant, C. E. Hill, McNeil, Erwin, Swett; Assistant Professors Alden, T. B. Brown, Kochenderfer, Doyle, McArthur, Kayser, Bolwell, Metcalf; Messrs. Small, Cheney, Pattison, Protzman; Mrs. Albion, Mrs. Symonds,

SCHOOL OF GRADUATE STUDIES

HIGHER DEGREES

The higher degrees conferred in course by the University in this Division of the Department of Arts and Sciences are Master of Arts (A. M.), Master of Science (S. M.), Civil Engineer (C. E.), Electrical Engineer (E. E.), Mechanical Engineer (M. E.), and Doctor of Philosophy (Ph. D.).

ADMISSION

Candidates for admission to courses for higher degrees must make application to the Dean of the School of Graduate Studies on application blanks, which may be obtained of him. Candidates must present certificates of the degrees they hold from the institutions conferring such degrees. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit.

DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

To be admitted to candidacy for the Master's degree a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the course of study pursued must have been such as to qualify the candidate for pursuing the subjects chosen for the Master's or other higher degree sought. In seeking admission the applicant must state whether he desires to obtain the Specialist degree or the Liberal Culture degree.

The Specialist degree is designed for students who propose to specialize in their work. Such candidates are required to complete one major and two minor subjects selected from properly correlated and approved University subjects amounting to twenty-four semester-hours, and to present a satisfactory thesis, which shall count for six semester-hours. One of the minor topics may be selected from the University subject which includes the major topic. The major topic shall cover not less than fifteen nor more than eighteen semester-hours, including the thesis, a minor topic, not less than six or more than nine.

The Liberal Culture degree is designed for students who do not intend to specialize in their work. Such candidates are required to complete a course of study amounting to not less than thirty semester-hours of work distributed among three approved University subjects, of which not more than eighteen semester-hours, including the thesis, shall be given to any one subject. The candidate must also present a thesis in the field to which the major subject belongs, which shall count for six of the required thirty credits.

A candidate for a Master's degree must pass at least one full year in residence and study at this University, and no work done in satisfaction of the requirements for the Bachelor's degree shall be counted again for a higher degree. Under no circumstances may courses in the First Section, "Primarily for undergraduates," be counted towards any higher degree, though a graduate student may be allowed to take them without receiving academic credit.

Advanced work done elsewhere may be credited toward the Master's degree in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

Work for which the Master's degree has been awarded may be credited as one year of work toward the degree of Doctor of Philosophy, provided that it be in the same field of work.

HIGHER DEGREES IN ENGINEERING

To be admitted to candidacy for higher degrees in Engineering a student must have completed a liberal undergraduate course of study such as is required by colleges of good standing antecedent to the baccalaureate degree in Engineering, and of such a character as to fit him to pursue to advantage the study of advanced engineering topics. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. Moreover, the courses of study pursued for the Bachelor's degree must be approved by the Faculty as qualifying the candidate for pursuing the chosen line of study for the degree sought.

A candidate for a degree in Engineering shall pass at least one year of residence at this University. He shall satisfactorily complete approved courses aggregating not less than thirty semester-hours, of which a thesis shall count six.

Advanced work done elsewhere may be credited toward a degree in Engineering in this University, to the extent of not more than twelve semester-hours. No work, whether done here or at other institutions, will be credited toward the Master's degree unless the student attains at least grade "C" or its equivalent on such work.

DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred upon a student who has pursued specialized courses in university subjects for a period of not less than three years, has engaged in research under university auspices, has submitted an acceptable thesis, and has met all the requirements prescribed. The degree is given for high attainments and proved ability to do research work in some special branch of knowledge, as determined by the various tests applied.

Before a student can be admitted to candidacy for this degree he must give evidence that he has completed a liberal undergraduate course of academic study such as is required by colleges of good standing antecedent to the baccalaureate degree, and of such a character as to fit him to pursue to advantage researches in the field chosen for his graduate work. The Faculty of Graduate Studies reserves the right to decide in all cases whether the antecedent training fulfills the requirements. The applicant may be credited with graduate work done at other universities, provided such work is shown to be of grade similar to that required here, but at least one year, preferably the last, must be spent in residence at this University and the other requirements of the degree as prescribed must be fulfilled.

The candidate for the Doctor's degree shall offer three topics from the University subjects—one major and two collateral minor studies, one of which minors may be in the subject which includes the major topic. These must be pursued under the guidance of a committee consisting of the professors in charge of the University subjects in which the studies are pursued, with the professor in the major subject as chairman. This committee will determine his division of time, study, and research among the major and minor topics. Before the Doctor's degree is conferred, the candidate shall have pursued his major subject at least three years and each minor at least two years since he obtained his baccalaureate degree. The candidate shall pass satisfactory examinations upon the three subjects selected. He must satisfy the Professors of French and German, not more than one month after the opening of his final year, that he can read understandingly in the original, French and German works pertaining to his special field. In order to graduate the candidate must possess a broad acquaintance with his major subject and he must present a thesis upon some topic approved by the professor in charge of his major subject, which shall be a contribution to knowledge and which shall be accompanied by an adequate bibliography.

CANDIDATE'S COMMITTEE

The professors and other university officers offering the topics in which a candidate must qualify for his degree and to whom he is assigned constitute the Committee that must pass upon his work. The officer directing the major topic is chairman.

EXAMINATIONS

Candidates must pass examinations upon all their topics. The examinations upon the minor topics may be taken at the close of the respective years in which these topics are completed, or later, at the direction of the examiner. The final examination on the major topic shall cover the candidate's entire university work, and shall be given when the professor of that subject is satisfied that the student has taken sufficient work to

warrant such an examination being taken. If a candidate has satisfactorily passed his final examination, he may be permitted to complete his thesis away from the University.

DEFENSE OF THE THESIS

Before a candidate shall be recommended to the Board of Trustees for the degree of Doctor of Philosophy he must have successfully defended his thesis in public before a Board of Experts not officially connected with the University. Before the candidate shall be permitted to undertake the defense of his thesis, the thesis must have been favorably reported on and recommended for defense by the professor having supervision over the candidate's major topic, and by a co-referee appointed from the Faculty of Graduate Studies.

The subjects from which the candidate's selection may be made, as the Faculty may determine in each case, are as follows:

Applied Mathematics, Archaeology, Anatomy, Architecture, Astronomy, Astro-Physics, Bacteriology, Botany, Chemistry, Civil Engineering, Commerce, Economics, Education, Electrical Engineering, Ethnology, French, Embryology, English, Ethics, Geology and Mineralogy, Germanic Languages and Literature, Greek Language and Literature, Gynecology, Histology, Hydraulic Engineering, History, History of Art, International Law and Diplomacy, Latin Language and Literature, Law, Mathematics, Mechanical Engineering, Meteorology, Microscopy, Nautical Science, Paleontology, Pathology, Philosophy, Physics, Physiology, Pharmacology, Political Sciences, Preventive Medicine, Psychiatry, Psychology, Romance Languages and Literatures, Semitics, Sociology, Spanish, Zoology.

REGULATIONS REGARDING THESES

All theses for each degree sought must, in their final form, be presented to the Dean on the dates announced in the University Calendar. They must previously have been typewritten on official thesis paper, which may be obtained from the Treasurer of the University. The Dean will present theses to the Chairman of the Committees on the candidates; doctoral theses will further be submitted for examination to the co-referees appointed from the Faculty. Accepted theses, with their accompanying drawings, are the property of the University, and will be deposited in the University Library, but the authors of them are permitted to make copies. The candidate for the degree of Doctor of Philosophy is expected to print his thesis under the supervision of the professor in charge of his major subject, within one year after the degree is granted, and he is expected to present one hundred copies to the University, to be distributed among institutions of learning.

DOCTORATE DISPUTATIONS

The Thirty-Sixth Doctorate Disputation was held publicly on May 27, 1919. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The classification and biology of the North American Cerambycid Larvae. By Frank Cooper Craighead, B. S., 1912, Pennsylvania State College; M. S., 1915, George Washington University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Andrew Delmar Hopkins, Ph. D., Forest Entomologist, in charge of Insect Investigations, Bureau of Entomology, U. S. Department of Agriculture; Adam Bvöing, Ph. D., Expert in *Coleoptera*, Bureau of Entomology. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: Relation of initial ability to the extent of improvement. By Frank McGinley Phillips, M. Di., Iowa State Normal School; A. B., 1908, Iowa State Teachers' College; A. M., 1915, State University of Iowa. Before Edward Franklin Buchner, Ph. D., Professor of Education, Johns Hopkins University; McLeod Harvey, Ph. D., Professor of Education, Howard University; Will Carson Ryan, Jr., A. B., Director of Information Service, U. S. Bureau of Education. William Carl Ruediger, Ph. D., Professor of Educational Psychology, presiding.

The Thirty-seventh Doctorate Disputation was held publicly on October 16, 1919. The thesis that was successfully defended, the candidate, and the members of the board of experts, were as follows:

Thesis: The effect of bleaching with oxides of nitrogen upon the baking qualities and commercial value of wheat flour. By Edward Elmer Smith, B. S. in Chemical Engineering, 1914, University of Idaho; M. S., 1916, George Washington University. Before Harvey Washington Wiley, A. M., M. D., LL. D., Sc. D., Contributing Editor, Good Housekeeping Magazine; formerly Chief Chemist, U. S. Department of Agriculture; Arthur Philip Greele, A. B., LL. M., Patent Attorney, formerly Assistant Commissioner of Patents; Henry Corbin Fuller, B. S., in charge of the Division of Food Products, Institute for Industrial Research. Hiram Colver McNeil, Ph. D., Professor of Chemistry, presiding.

The Thirty-eighth Doctorate Disputation was held publicly on February 2nd and 3rd, 1920. The theses that were successfully defended, the candidates, and the members of the boards of experts, were as follows:

Thesis: The detection and estimation of small amounts of organic nitro compounds with special reference to the examination of the urine of TNT workers. By Elias Elvove, B. S., 1903, M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. Before Carl Lucas Alsberg, A. M., M. D., Chief, Bureau of Chemistry, U. S. Department of Agriculture; Atherton Seidell, M. S., Chemist, Office of the Hygienic Laboratory, U. S. Public Health Service; Morris A. Pozen, B. S. in Chemistry, Phar. D., Chief Chemist, Health Department, of the District of Columbia. Charles Edward Munroe, Ph. D., LL. D., Professor Emeritus of Chemistry, Chairman, Committee on Explosives, Council of National Defense, presiding.

Thesis: Colonizing termites. By Thomas Elliott Snyder, B. A., 1907, Columbia University; M. F., Yale University. Before Leland Ossian Howard, Ph. D., M. D., LL. D., Chief of the Bureau of Entomology, U. S. Department of Agriculture; Alton Lacy Quaintance, B. S. A., M. S., Sc. D., Entomologist in charge of deciduous fruit investigations, U. S. Department of Agriculture; Adam Böving, Ph. D., Expert in *Coleoptera*, Bureau of Entomology, U. S. Department of Agriculture. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

Thesis: The body temperature of birds. By Frank Alexander Wetmore, A. B., 1912, University of Kansas; M. S., 1916, George Washington University. Before Leonhard Stejneger, Head Curator, Department of Biology, U. S. National Museum; Theodore Sherman Palmer, A. B., M. D., Expert in Game Conservation, U. S. Biological Survey; Harry Church Oberholser, B. A., M. S., Ph. D., Assistant Biologist, U. S. Biological Survey. Paul Bartsch, Ph. D., Professor of Zoology, presiding.

THE COLLEGES

The College session of 1920-21 begins Wednesday, September 29, 1920.
The Colleges are open to men and women.

ADMISSION

Every applicant for admission is required to present a certificate of standing and regular dismissal from the school or college which he has last attended.

Candidates for admission to the Freshman Class may present certificates of admission or take an examination in the required subjects. Certificates, in lieu of any or all examinations, will be accepted from schools whose work is attested by well-prepared students admitted to the University in previous years, and from schools that present evidence of affording adequate preparation in the required subjects. Deans of the Colleges will, on application, furnish certificate blanks to the principals of such accredited schools.

The certificates of the College Entrance Examination Board will be accepted.

The requirement for admission is a four-year high-school course, or its equivalent, amounting to fifteen "units." For prescribed studies see the specifications of each college.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

ENTRANCE EXAMINATIONS

The regular examinations for admission are held about June 1, and the schedule for the examinations is issued May 25.

Unless admitted by certificate, every undergraduate candidate for a degree is required to pass an examination.

Candidates from the Washington high schools for the Kendall and the University Scholarships will be examined on nine and one-half units. These units upon which the examination will be given are the following: the specified subjects—English (three units), Mathematics (two and one-half units), and one other language (two units); the remaining two units will be in language, history, mathematics, physics, chemistry, biology—as the candidate shall elect. The remainder of the fifteen units must be certified from the high schools.

DEFINITION OF REQUIREMENTS

ENGLISH

(Three Units)

The requirement in English is that recommended by the National Conference on Uniform Entrance Requirements in English.

However accurate in subject matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling or other essentials of good usage.

The examination will be divided into two parts:

1. Grammar and Composition

In grammar and composition, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relations of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English, which one should know in distinction from current errors. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books read, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps eight or ten, from which the candidate may make his own selections. He will not be expected to write more than four hundred words per hour.

2. Literature

The examination in literature will include:

A. Reading.—General questions designed to test such a knowledge and appreciation of literature as may be gained by an intelligent reading of at least two books under each of five groups as follows: Group I—Classics in Translation (a selection from any other group may be substituted for this), Group II—Shakespeare, Group III—Prose Fiction, Group IV—Essays, Biography, etc., Group V—Poetry. Other books than those named in the Uniform Entrance Requirement list will be accepted under each group, provided the books are of standard literary character. The candidate will be required to submit a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared; but the books named in this list will not be made the basis of detailed questions.

B. Study.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I, DRAMA

Shakespeare: Julius Cæsar, Macbeth, or Hamlet.

GROUP II, POETRY

Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*.

Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*.

The selections from Wordsworth, Keats and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III, ORATORY

Burke: Speech on Conciliation with America.

Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union.

Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV, ESSAYS

Carlyle: Essay on Burns, with a selection from Burns' Poems.

Macaulay: Life of Johnson.

Emerson: Essay on Manners.

A test on the books prescribed under the *Study* groups will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

For the George Washington University Scholarship Entrance Examinations the books for *Reading* and *Study* will be the required English of the Washington High Schools.

LATIN

Elementary (two units)

a. I. Latin Grammar The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verb; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

II. Latin Prose Composition: Translation into Latin of detached sentences and easy continuous prose based on Cæsar.

b. Cæsar: Any four books of the Gallic War, preferably the first four.

Advanced (two units)

a. Cicero: Any six orations from the following list, but preferably the first six mentioned. The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

b. Virgil: The first six books of *Æneid*.

c. Advanced Prose Composition, consisting of continuous prose of moderate difficulty based on Cicero.

d. Sight Translation, based on prose of no greater difficulty than the easier portions of Cicero's orations.

GREEK

Elementary (two units)

a. I. Greek Grammar: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

II. Greek Prose Composition, consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions. The examination in grammar and prose composition will be based on the first two books of Xenophon's Anabasis.

b. Xenophon: The first four books of the Anabasis.

Advanced (one unit)

a. Homer: The first three books of the Iliad (omitting II, 494, to end).

b. Sight Translation, based on prose of no greater difficulty than Xenophon's Anabasis.

FRENCH

Elementary (two units)

Candidates in Elementary French must have a good knowledge of the essential parts of grammar, with stress on pronouns and on regular verbs and the common irregular verbs. They must know the principles of pronunciation; must be able to translate simple English sentences or easy connected prose into French, and to translate accurately ordinary modern French prose. Candidates must have translated not less than 450 duodecimo pages by at least four different authors, of which amount at least one-third must be history. Candidates must have had a two-year's course of five periods per week.

Advanced (two units)

Candidates in advanced French must have partly translated, partly read, in addition to the requirements for Elementary French, at least 1000 pages of difficult French of several different authors, including history, fiction, drama, and poetry. Candidates must have had a four-year's course of five periods per week.

Fraser and Squair's French Grammar or Grandgent's Essentials of French Grammar is recommended.

SPANISH

(Two units)

Candidates in Spanish must have a good knowledge of grammar including syntax, with stress on pronouns and verbs, regular and irregular. They must know the principles of pronunciation. They must be able to translate simple English sentences or easy connected prose into Spanish, and to translate accurately fairly difficult modern Spanish prose and verse. Candidates must have translated not less than 500 pages by at least four different authors, of which amount at least one-fourth must be history or drama. Candidates must have had a two-year's course of five periods per week.

GERMAN*Elementary (two units)*

Candidates in Elementary German must have had a two-year's course or five periods a week. They must be able to read fluently at sight and to translate easy narrative prose and poetry. An accurate knowledge of the elements of German grammar and the ability to translate simple prose into German are requisite. About 300 pages of graduated narrative prose, one short play, and such poetry as is usually found in a First Reader will be considered an adequate preparation.

Advanced (two units)

Candidates in Advanced German must have had a four-year's course of five periods a week. They should be well trained in the syntactical laws of the language, have read about 800 pages of good literature in prose, preferably such prose works as are given in the Report of the Committee of Twelve of the Modern Language Association, and poetry, especially dramas by Lessing, Schiller, and Goethe, and studied an elementary history of German literature. German composition should comprise a number of short themes upon assigned historical or literary topics, lives of the authors read, etc.

HISTORY

In this subject special importance is attached to preparation in geography.

Ancient (one unit)

a. Greek History, through the Roman Conquest; as much as is contained in Myer's, Bottsford's, or West's History of Greece.

b. Roman History; as much as is contained in Allen's, Bottsford's or West's History of the Roman People.

Mediaeval History (one unit)

As much as is contained in first twenty chapters of Robinson's Mediaeval and Modern Times.

Modern European History (one unit)

As much as is contained in Robinson's Mediaeval and Modern Times from chapter 21 to the end.

English History (one unit)

As much as is contained in Larned's or Cheyney's History of England.

American History with the Elements of Civil Government (one unit)

As much as is contained in Fiske's History of the United States, and Fiske's Civil Government.

MATHEMATICS

Elementary and Intermediate Algebra (one and one-half units)

I. Algebra to Quadratics: The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

II. Quadratics, etc.: Quadratic equations and equations containing one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive integral exponents.

Advanced Algebra (one-half unit)

The progressions; the elementary treatment of permutations and combinations; the use of four and five place tables of logarithms; undertermined coefficients; the elementary treatment of infinite series, the binomial theorem for fractional and negative exponents; the elementary treatment of the theory of equations.

Plane Geometry (one unit)

General text propositions, including the solution of simple original exercises and numerical problems.

Solid Geometry (one-half unit)

Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, pyramids, and the regular solids; of cylinders, cones, and spheres; of spherical triangles and the measurement of surfaces and solids.

Plane Trigonometry (one-half unit)

The definitions and relations of the six trigonometrical functions as ratios, proof of important formulas, theory of logarithms and use of tables, solution of right and oblique plane triangles.

PHYSICS

(One unit)

It is recommended that the candidate's preparation should include:

- a. Individual laboratory work, comprising at least thirty-five exercises well distributed over the subjects of physics.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one standard text-book, supplemented by the use of many and varied numerical problems. The metric system should be familiar to the student.

The laboratory note-book must be submitted for inspection, whether the candidate is admitted on certificate or by examination.

CHEMISTRY

(One unit)

The candidate's preparation in chemistry should include:

- a. Individual laboratory work, comprising at least forty experiments of a character analogous to those set forth by the College Entrance Examination Board. The laboratory note-book must be submitted for inspection.
- b. Instruction by lecture-table demonstrations.
- c. The study of at least one modern text-book.

Requirements.—The ground to be covered should include the following: The chief physical and chemical characteristics, the isolation and the recognition of the following elements and the preparation and study of their principal compounds: *Oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

The more detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds, such as water, hydrochloric acid, carbon monoxide, carbon dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen sulphide, sodium hydroxide, ammonium hydroxide.

Attention should be given to the *mosphere* (constitution and relation to animal and vegetable life), flame, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and on Boyle's and Charles' laws, symbols, formulas, equations and nomenclature, atomic theory, atomic weights, nascent state, natural groupings of the elements, solution (solvents and solubility of gases, liquids, and solids), strength of acids and bases, conservation and dissipation of energy, chemical energy and electrolysis, and of valence, electrolytic dissociation, osmosis, mass action in a very elementary way. Chemical terms should be clearly understood, and the student should be able to illustrate and apply the ideas that they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts. The facts should be given as examples from various classes and not as isolated things.

ADDITIONAL SUBJECTS

Certificates will be accepted in botany, zoology, physiology, physiography, political economy, drawing, music, and other accredited subjects in secondary schools.

Manual-training High School Subjects

Technical subjects in manual-training high schools, or schools of similar grade, when duly certified, will be credited as follows:

Shopwork (not exceeding two units), domestic science and domestic art (not exceeding two units).

Business High School Subjects

Commercial subjects in business high schools or schools of similar grade, when duly certified, will be credited to the extent of four units.

ADMISSION TO ADVANCED STANDING

Due credit is given for properly certified courses of study pursued in other colleges and universities.

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

SCHOLARSHIPS AND PRIZES

Applications for scholarships should be filed with the Dean of the College in which the student is to register not later than September fifteenth. All Scholarships except the Kendall Scholarship and the University Scholarships are awarded for one year only but they may be renewed. Any student holding a scholarship who fails to obtain a general average of 85 per cent on the work of any term, or whose deportment is unsatisfactory, will be reported to the President's Council, and in the absence of extenuating circumstances the scholarships will be revoked. All scholarships are awarded by the Faculty of Arts and Sciences on recommendation of its Committee on Scholarships and other University aid.

SCHOLARSHIPS FOR COMPETITION

The University offers the following scholarships to be awarded on competitive examination given at the time of the May entrance examinations. Holders of these scholarships are expected to pursue a regular course in one of the colleges of the Department of Arts and Sciences. No scholarship is awarded to a candidate whose examination average is below 80 per cent.

Kendall Scholarship.—The Kendall Scholarship, founded by the late Hon. Amos Kendall, is annually conferred on that member of the graduating class of any of the Washington High Schools who attains the highest average in the entrance examinations. This scholarship continues throughout the undergraduate course, and the student holding it pays only the registration, laboratory, and graduation fees.

University Scholarships.—The University offers also six scholarships, to be awarded annually to members of the graduating classes of any of the Washington High Schools. These scholarships continue throughout the undergraduate course, and students holding them pay only the registration, laboratory, and graduation fees.

SCHOLARSHIPS FOR ASSIGNMENT

Davis Scholarship.—This is the income of a fund of one thousand dollars given to the University in October, 1869, by Hon. Isaac Davis, of Massachusetts.

Mary Lowell Stone Scholarship.—This scholarship was founded by a woman in memory of a woman student of science. It consists of a fund of two thousand dollars, the income from which is to be paid to needy women students of science in the University.

Maria M. Carter Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Maria M. Carter.

Farnham Scholarship.—This is the income of a fund of one thousand dollars given to the University in 1871 by Mrs. Robert Farnham.

Withington Scholarship.—This scholarship was founded in 1830, by the New York Baptist Theological Seminary, to be known as the Withington scholarship. It has an annual stipend in tuition fees of sixty dollars.

Walker scholarship.—This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of one hundred dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Morehouse Scholarship.—This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of sixty dollars in tuition fees available for an undergraduate intending to enter the Christian ministry.

Nellie Maynard Knapp Scholarship Fund.—A fund of \$5,000 established in 1915 by the Columbian Women in memory of its president, Mrs. Martin A. Knapp, to provide scholarships for women. Application may be made to any of the Deans in the Department of Arts and Sciences.

Henry Harding Carter Scholarships.—These scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding Carter, consist of four scholarships of the annual value of fifty dollars each, and may be awarded to deserving students who are preparing for the civil engineering profession.

The Isabel Anderson Scholarship Fund.—A fund of \$1,000 given by Isabel (Mrs. Larz) Anderson, Litt. D., for the education of needy Filipino students. Students under this fund are nominated by the Bureau of Insular Affairs of the War Department.

The Byron Andrews Scholarship Fund.—A fund founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, to provide scholarships "For ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature or Political Science."

Founders of Columbian Women Scholarship.—This scholarship was established by the Columbian Women in 1920. At present it consists of a fund of \$1,800 the income from which may be assigned to a deserving woman student. Application may be made to any of the Deans of the Department of Arts and Sciences.

Admiral Powell Endowment.—The Admiral Powell Endowment was made by Admiral Levin M. Powell, U. S. Navy. The income from this endowment is for the "free education of such young men as may desire to take advantage of the said endowment by way of their preparation for entrance into the Naval Academy at Annapolis, Maryland, or such as may fit them to become mates or masters in the Merchant Marine Service of the United States," and of "such apprentices as, having filled their time in the great steam manufactory establishments of the country, may apply for appointment from civil life in the Steam Engineer Department of the United States Navy." The number of scholarships awarded each year will be determined by the income from the endowment. Each scholarship will entitle the beneficiary to free tuition for one year. Such special courses of study are offered to each student as will give him the instruction needed to accomplish the purpose for which he is awarded the scholarship.

These scholarships are especially applicable to those who intend to come up for examination as warrant officers in the Engineer Department of the Navy, to warrant officers who are preparing for examination for appointment as Ensign, to persons desiring to enter the Navy as Acting Ensigns for engineering duty, or to those who desire to fit themselves for responsible positions in the mercantile marine.

The subjects to be taken by a student will vary according to his preparation and according to the purpose for which he has been awarded the scholarship, but a year's work can be selected from the following topics:

	<i>Hours</i>
Navigation and Nautical Astronomy.....	4
Algebra and Geometry.....	6
Trigonometry.....	3
Mechanical and Machine Drawing.....	8
English.....	6
French.....	6
German.....	6
Spanish.....	6
International Law.....	6
Commercial Geography.....	6
Boilers and Power Plants.....	3
Mechanical Laboratory.....	4
Electrical Engineering.....	6

Ministerial Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called Ministerial Aid, which may be given to students, resident in the District of Columbia or its immediate vicinity in the regular courses of Columbian College, preparing for the ministry and not yet ordained. Any student receiving Ministerial Aid may be called upon for clerical or like work to the extent of not more than one hour a week for every twelve dollars of tuition remitted, and of not more than four hours in any one week.

University Aid.—The University authorizes the remission of a stated amount in tuition fees, to be called University Aid, which may be loaned to undergraduate students in regular courses in the Departments of Arts and Sciences, whose circumstances warrant pecuniary assistance. Any student receiving University Aid is expected to repay it as soon as possible. In occasional instances he may be enabled, while still a student, to repay it in part or whole through clerical or like service rendered the University.

PRIZES

(Only candidates for degrees may compete for these prizes)

Staughton and Elton Prizes.—The Staughton Prize, for excellence in the Latin Language and Literature, and the Elton Prize, for excellence in the Greek Language and Literature, founded by the Rev. Romeo Elton, D. D., of Exeter, England, consist of two gold medals, annually awarded to the best scholar in each of these languages.

Ruggles Prizes.—The Ruggles Prizes, for excellence in Mathematics, founded by Professor William Ruggles, LL. D., consist of two gold medals, annually awarded upon examination to the best two scholars in Mathematics.

Davis Prizes.—The Davis Prizes were founded by Hon. Isaac Davis, of Massachusetts, in 1847. The original endowment was five hundred dollars, "proceeds of which will afford three premiums, in cash or gold medals, of the value of five dollars, of ten dollars, and of fifteen dollars annually—these premiums or prizes to be distributed annually to such members of the Senior Class as shall have made the greatest progress in elocution since their connection with the College." Only members of the Senior Class are eligible to compete for these prizes.

Daughters of the American Revolution Prizes.—These prizes founded by the Daughters of the American Revolution of the District of Columbia, consist of two gold medals, awarded annually to the two students in the graduating class who, having maintained a high standing in the regular courses in Mediaeval, Modern European, English, and American History during three years, shall produce the best essays upon an assigned topic of American history.

The Thomas F. Walsh Prize.—This prize, established by Thomas F. Walsh, Esq., of Colorado, and based upon the income of one thousand dollars, consists of a gold medal awarded annually to that student of the

graduating class who, having maintained a high standard in the regular classes of Mediaeval, Modern European, English, and American History, shall produce the best essay upon a designated period of the History of England.

E. K. Cutter Prize.—The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter. The endowment is a fund of one thousand dollars, the income of which is given annually as a prize "for excellence in the study of English." The prize will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Willie E. Fitch Prize.—The Willie E. Fitch Prize, for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of fifty dollars, which is awarded annually for the best examination in Chemistry.

The Gardiner G. Hubbard Memorial Prize.—This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The endowment is a fund of one thousand dollars, the income from which is to be given annually to that member of the graduating class who has during four years maintained a high standing in the classes of American History, and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Muth Prize.—Geo. F. Muth and Company offer a slide rule to the student who makes the highest record in Mechanical Drawing 1.

Colonial History Prize.—The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for excellence in American Colonial History. This prize will be awarded by the professor of History for general excellence in this subject as shown by class standing, by special essays, and by such other tests as shall be prescribed.

James Macbride Sterrett, Jr., Prize.—Founded by Professor James Macbride Sterrett, in memory of his son, consists of a gold medal annually awarded to that student taking Course 1 in Physics who obtains the highest average in a special examination on a given subject and in the writing of an essay on an assigned topic.

The Chi Omega Prize in Philosophy.—An annual prize of fifteen dollars is offered by the Phi Alpha Chapter of the Chi Omega Fraternity for the best essay on a philosophical subject to be announced at the close of the preceding academic year by the Committee in Charge. Essays must meet the requirements defined by the Committee and be submitted on or before April 1. Only women students who are members of a senior class in the Department of Arts and Sciences, and who are or have been registered in General Psychology, Logic, and the History of Philosophy, are eligible to compete.

Sigma Kappa English Prize.—An annual prize of a set of books to the value of ten dollars is offered by the Sigma Kappa Fraternity to the student passing the best examination in the year's work in English Rhetoric. All members of the classes in English Rhetoric are eligible for this special examination, which will be given during the final examinations.

Pi Beta Phi Prize in Political Science.—The Pi Beta Phi Fraternity has set aside ten dollars as a prize for the best essay written during the year by a student of political science on a subject approved by the instructor. The essays must be submitted by May first.

Pi Beta Phi Prize in Education.—An annual prize of ten dollars is offered by the Pi Beta Phi Fraternity for the best essay on an educational topic. The essays will be judged by a committee of three, consisting of the Professor of Education and two others designated by him. The essays must be submitted by May first.

Phi Mu Prize in Playwriting.—An annual prize is offered by the Phi Mu Fraternity for a one-act play of approved excellence written by a student in the University. The award will be made by the English Department of the University, and the George Washington University Players shall have the opportunity to give the first production of the play.

Sigma Kappa Prize in Chemistry.—A prize of ten dollars is offered annually by Zeta Chapter of Sigma Kappa Fraternity to that student who passes the best examination in Chemistry 1, 2 and 23.

Genevieve Chatterton McCutchins Prizes.—Two cash prizes of \$25.00 and \$15.00, based on the income of a memorial fund of one thousand dollars, to be awarded annually for the best and the next best essays on subjects connected with Archaeology or Painting. In their award consideration will be given to students' knowledge of contemporary literature, history, or music, as relating to the progress of the fine arts. These prizes are open to both graduates and undergraduates.

Kappa Alpha Prize in Economics.—An annual prize of ten dollars is offered by the Alpha Nu Chapter of Kappa Alpha Fraternity for the best essay on a subject in the field of Economics. The essays will be judged by a committee of three, consisting of the Professor of Economics, a member designated by the Fraternity and a third member designated by the first two. The essays must be submitted by the first of May.

DAVIS PRIZE SPEAKING

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest, in which the participants deliver original orations. Senior students wishing to enter the competition should report to the Dean of Columbian College not later than five weeks before the contest, and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee consisting of three members, selected by the Faculty of the Columbian College.

PRIZE AWARDS, 1918-1919

Staughton Prize.—Rebekah Sanborn.

Ruggles Prizes.—Frank Langelotti.

Davis Prizes.—First prize, Earle Milburn Wallick; second prize, Margaret Joanna Prentiss; third prize, Lasalia McCaffrey.

Daughters of the American Revolution Prizes.—Sadie White Beller, Ralph Aaron Styer.

Thomas S. Walsh Prize.—Lino Juan Castillejo.

E. K. Cutter Prize.—Margaret Joanna Prentiss.

Gardner G. Hubbard Prize.—Earle Milburn Wallick.

Muth Prize.—Frank Russell Garman.

Colonial Dames Prize.—Eugene Underwood.

Chi Omega Prize in Sociology.—Mary Louise Sturman.

Sigma Kappa Prize.—Ora May Mon.

Pi Beta Phi Prize in Political Science.—Herbert Clarence Fooks.

Pi Beta Phi Prize in Education.—Charles Geschicketer.

Phi Mu Prize.—Evelyn Emig.

HIGH SCHOOL SCHOLARSHIP AWARDS, 1918-1919

Kendall Scholarship.—Henry Temin, Central High School.

First University.—Ellis Haworth, Eastern High School.

Second University.—Harry Friedenberg, Central High School.

Third University.—Elizabeth H. Kendrick, Central High School.

Fourth University.—Janet Elliot, Central High School.

Fifth University.—William Harris, McKinley Manual Training School.

Sixth University.—Marjorie S. Gerry, Central High School.

COLLEGE CHAPEL

Chapel Services are held at 12.20 p. m., Monday, Wednesday, and Friday, throughout the academic year.

The Deans of the Colleges will confer with students as they may desire on questions concerning their welfare and will co-operate with them in all ways to make the college life one of personal helpfulness.

For catalogues, application blanks, and further information, address

THE RECORDER,

The George Washington University,
2023 G Street, Washington, D. C.

FEES

1. Annual registration fee \$ 2
2. Tuition fee for each semester-hour credit of courses leading to the degrees of A. B., S. B., A. M., S. M., C. E., E. E., M. E. 6
The maximum fee charged in any one year is \$180.
3. Tuition fee per annum for graduate courses leading to the degree of Ph. D. 180

4. Registration fee for students taking problems of the Beaux Arts Society.....	2
5. Laboratory courses:	
Material fees:	
Experimental Psychology.....	2
Geology 1, Zoology, Botany, each.....	5
Mechanical Engineering 9, 10, 11, each.....	5
Chemistry 2, 3, 7, 28 and 30; Electrical Engineering; Physics, each.....	10
Chemistry 4 (Assaying).....	20
Chemistry 8.....	5
Chemistry, 20, 21 and 25, each.....	25
Deposits to cover breakage of apparatus issued, the amount paid in excess of breakage to be returned:	
Chemistry, 2, 3, 7, 8, 28 and 30, each.....	10
Chemistry, 20.....	15
Chemistry, 21 and 25, each.....	20
6. Microscope rental in Botany and Zoology 1.....	5
7. Tuition fee for the following special course, not taken by candidates for a degree:	
Chemistry 4 (Assaying).....	40
8. Fee for certificates under the seal of the University.....	2
9. Fee for graduation.....	10

The above fees are for students entering in September, 1918, or afterwards. Students who were in attendance in 1917-18 and each year since then will pay fees according to the announcements in the catalogue for 1917-18, published in March, 1917.

Students are registered for the college year unless otherwise stated on the registration paper. All requests for withdrawals or for changes in courses of study must be made in writing to the Dean, and a student is liable for all charges for the courses for which he has registered unless changes are approved by the Dean.

All charges are by the scholastic year. Registration, library and other special fees, and laboratory deposits are due in full in advance. Tuition and laboratory material fees may be paid in eight monthly installments in advance. Students unable to pay their fees monthly in advance will be required to furnish as security an acceptable personal or corporate bond for \$200 for which a charge of \$3.00 will be made.

The first monthly payment is due not later than October first, and subsequent monthly payments are due on the first of each month. A student has no right to attend a class if his fees are unpaid and may be excluded by the Dean.

All fees are payable at the office of the treasurer of the University, 2101 G Street.

COLUMBIAN COLLEGE

ADMISSION

Candidates for admission to the Freshman Class in Columbian College must meet the general admission requirements (p. 32) of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirement must include English, 3 units; Mathematics, 2½ units; and one of the following languages: Latin, Greek, French, German, or Spanish, 2 units.* The remainder of the requirements is elective and may be satisfied in general by any accredited secondary school subjects.

For admission to advanced standing or as special students, see (p. 39.)

REQUIREMENTS FOR DEGREES

The undergraduate degrees offered by Columbian College are Bachelor of Arts, and Bachelor of Science in Medicine. To be recommended for either of these degrees, the student must satisfy the admission requirements, and must complete at least one hundred and twenty semester-hours of undergraduate courses *at least twenty-four semester-hours of which (or twelve semester-hours in the combined courses), must be completed in Columbian College.* A "semester-hour" of credit is one recitation or lecture a week or one laboratory period a week for one semester. No time limit for the course is prescribed and the degree is given when the total of prescribed and elective studies is completed.

The class hours are so arranged that persons who can give only part time to college work may complete a full college course and obtain a degree. Such students usually take six years to complete the course. Classes in required and elective subjects are scheduled in the two class periods from five-ten o'clock to six-fifty. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

One grade of special distinction is recognized in awarding the bachelor's degree. It is shown by inserting the words "With Distinction" on the diploma after the name of the degree. It is awarded under the following conditions:

"That the names of all students who have received a mark of at least B (90 per cent) on courses representing at least sixty (60) per cent of all hours taken by them be submitted by the Dean to the Faculty of the Department in which the student shall be studying for a degree, after the completion of all final examinations in such student's final year of study for their degree;

"That the Faculty, after separate consideration of each individual case, shall, if it see fit, recommend the awarding of the degree 'With Distinction' to students who shall have fulfilled the conditions above specified."

FOR THE DEGREE OF BACHELOR OF ARTS

To be recommended for the degree of Bachelor of Arts, the student must complete courses of study amounting to at least one hundred and twenty semester-hours including a group of prescribed subjects.

There are six curriculum groups, each leading to the degree of Bachelor of Arts. Every candidate for the degree of Bachelor of Arts selects one of these groups, and thereafter he is not permitted to change to another group except on condition that he fulfill the requirements of the group to which he changes.

The studies of the last two years are largely elective, subject to such administrative supervision as will insure the general consistency and the liberal character of the courses selected.

The scope of the six curriculum groups is a provision alike for the diversity in the subjects of the secondary school curriculum leading to a college course, and the needs of the various graduate and professional courses of study in the University for which the college course is a preparation.

Group I emphasizes Latin and Greek studies, and it would naturally be taken by the student whose preparatory work has included four years of Latin or two years of preparatory Latin supplemented by "Latin B" in college.

Group II emphasizes the Modern Languages, affording to students whose preparation has not included Latin the humanistic influences of the literatures of the Modern Languages.

Group III emphasizes Mathematics and the Natural Sciences, and would naturally be selected by the student whose college preparation has been scientific rather than literary.

Group IV emphasizes Political Science and Economics and History, constituting important preparation for the Law School or the public service.

Group V includes all the pre-medical subjects and is specially constituted as a regular college course in preparation for the Medical School.

Group VI emphasizes Commerce and kindred subjects in preparation for commercial life or the public service.

(NOTE—Whenever in the following groups a modern language is taken, if it is elementary, the same language shall be continued the succeeding year.)

GROUP I, LATIN

	<i>Semester Hours</i>
Latin*	12
Foreign Languages	18
English	12
History	6

*Semester
Hours*

Mathematics.....	6
Philosophy.....	6
Electives.....	60
	120

GROUP II, MODERN LANGUAGES*Semester
Hours*

Modern Languages.....	24
English.....	12
History.....	12
Philosophy.....	12
Political Science.....	6
Natural Science.....	6
Electives.....	48
	120

GROUP III, NATURAL SCIENCE*Semester
Hours*

Natural Science.....	18
Mathematics.....	12
English.....	6
Modern Languages.....	12
Philosophy.....	6
Economics.....	6
Electives.....	60
	120

* Students who offer only the two elementary units of Latin for admission may qualify for Group I by taking "Latin B" in college (see p. 95), but this will not be counted as a part of the twelve semester-hours of Latin required in this group.

GROUP IV, POLITICAL SCIENCE

	<i>Semester Hours</i>
Political Science and Economics.....	18
History.....	12
Commerce.....	6
English.....	6
Modern Languages.....	12
Mathematics.....	6
Philosophy.....	6
Electives.....	54
	120

GROUP V, PRE-MEDICAL

	<i>Semester Hours</i>
Chemistry, 1, 2 and 8.....	16
Physics, 3 and 4.....	10
Zoology, 1 and 2.....	12
English.....	6
Modern Languages (preferably French or German).....	12
Philosophy (including Psychology).....	6
Mathematics.....	6
Electives.....	52
	120

GROUP VI, COMMERCE

	<i>Semester Hours</i>
Commerce.....	16
Economics.....	10
Political Science and History.....	18
English.....	6
Modern Languages.....	12
Mathematics.....	6
Philosophy (including Psychology).....	6
Electives.....	46
	120

SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

Professional courses in Law will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of work in college, *at least twelve semester-hours of which must be taken in Columbian College*, including all of the required subjects in some one of the curriculum groups, and of the first year of the regular course in the Law School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and three years in the Law School. The effect is to shorten the period of study for the two degrees one year.

SEVEN-YEAR COURSE FOR THE DEGREE OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Professional courses in Medicine will be credited towards the degree of Bachelor of Arts to the extent of thirty semester hours. On the completion of ninety semester hours of credit in college, *at least twelve semester-hours of which must be taken in Columbian College*, including all of the required subjects in some one of the curriculum groups, preferably Group V, and on the completion of the first year of the regular course in the Medical School, the student will receive the degree of Bachelor of Arts. This combined course contemplates three years of college study and four years in the Medical School. The effect is to shorten the period of study for the two degrees one year.

PUBLIC SERVICE COURSES

These courses are designed to impart general culture and a broad grasp of public questions, and thus to provide a training that will prove of value in commercial life, the practice of law, or public service. The work prescribed is broader than the requirement for entrance into the Consular and Diplomatic Service, so that the student who completes with credit the appropriate courses has a training that will fit him to rise to the higher positions in the service to which he may be appointed.

Regular students who are preparing for the Government Service should register for Group IV or Group VI, of the curriculum requirements for the degree of Bachelor of Arts, and should elect, also, the subjects named in Section 2 of the "Regulations Governing Examinations Promulgated by the Board of Examiners, December 13, 1906."

Special students who are preparing for the Consular Service examinations should register for such courses as relate to subjects named in Section 2, of the Government Regulations.

**REGULATIONS GOVERNING EXAMINATIONS PROMULGATED BY
THE BOARD OF EXAMINERS, DECEMBER 13, 1906***

Section 2 reads as follows: The examinations will consist of an oral and a written one, the two counting equally. The object of the oral examination will be to determine the candidate's business ability, alertness, general contemporary information, and natural fitness for the service, including moral, mental, and physical qualifications, character, address, and general education and good command of English. In this part of the examination the applications previously filed will be given due weight by the Board of Examiners, especially as evidence of the applicant's business experience and ability. The written examination will include those subjects mentioned in the Executive order, to-wit, at least one modern language other than English—French, German, or Spanish;* the natural, industrial, and commercial resources and the commerce of the United States, especially with reference to possibilities of increasing and extending the foreign trade of the United States; political economy, and the elements of international, commercial, and maritime law. It will likewise include American history, government, and institutions; political and commercial geography; arithmetic (as used in commercial statistics, tariff calculations, exchange, accounts, etc.); the modern history, since 1850, of Europe, Latin America, and the Far East, with particular attention to political, commercial, and economic tendencies. In the written examination, composition, grammar, punctuation, spelling, and writing will be given attention.

Students who seek a designation for consular and diplomatic examination should apply to the Department of State for full information. Consular service examinations are held in Washington only.

**SUGGESTIONS FOR FRESHMEN COURSES IN THE CURRICULUM
GROUPS****GROUP I, LATIN**

Latin 1 or "B," English, History, Mathematics, French or German.

GROUP II, MODERN LANGUAGES

French, German, English, History, Chemistry 1 (or Chemistry 1 and 2).

French or German, Spanish, English, History, Mathematics.

French or German, Spanish, English, Political Science, Zoology.

GROUP III, NATURAL SCIENCE

Chemistry 1 and 2, Mathematics, English, French, German or Spanish, Economics.

GROUP IV, POLITICAL SCIENCE

Political Science, History, English, French or German, Mathematics.

Economics, Political Science, English, Mathematics, Spanish.

Economics, English, History, Mathematics, Spanish.

* As amended by Board of Examiners, February 13, 1911.

GROUP V, PRE-MEDICAL

Chemistry 1 and 2, Zoology 1, English, French or German, Mathematics.

GROUP VI, COMMERCE

Economics, Commerce, English, French or Spanish, Political Science or History, Mathematics.

GENERAL SUGGESTIONS

English Rhetoric (1 or 2) is required in every curriculum group. Mathematics is required in every group except the second, History should begin with Mediaeval history, Modern Languages should be taken in a sequence of at least two years in the same language. Information about all studies is given in the alphabetical arrangement of subjects under "Courses of Instruction."

The specified subjects in the selected group should be taken in the earlier part of the college course leaving the electives for the later years. Subjects should be chosen with view to an even distribution through the days of the week. Most courses come three times a week, either on Monday, Wednesday and Friday, or on Tuesday, Thursday and Saturday. Most general culture subjects are given in two sections, one early in the day and one late. Students who have all their time for college work should take the early sections. The late sections are given in the last two periods, at five-ten o'clock or at six o'clock, in order to afford to those employed in Government offices the opportunities of college study. Teachers in the public schools can usually take also the courses announced for four o'clock.

Fifteen hours a week is a standard amount of work for completing the college course in four years. When the college work is limited to the last two periods and the evening laboratory periods, the length of the course is generally six years.

Detailed information about fees is given on pages 45-46

FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE**SIX-YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE
IN MEDICINE AND DOCTOR OF MEDICINE**

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the Freshman and Sophomore years in college, including the pre-medical requirements, is as follows:

Freshman Year

	<i>Semester Hours</i>
Chemistry 1 and 2.....	10
English 1 or 2.....	6
French or German.....	6
Mathematics.....	6
Zoology 1.....	6
Electives.....	2
	36

Sophomore Year

	<i>Semester Hours</i>
Chemistry 8.....	6
French, German or Spanish.....	6
Philosophy (including Psychology).....	6
Physics 3 and 4.....	10
Zoology 2.....	6
Electives.....	2
	36

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

First Year

	<i>Semester Hours</i>
Chemistry 1 and 2.....	10
English 1 or 2.....	6
Zoology 1.....	6
Electives.....	8
Total semester hours.....	30

Second Year

	<i>Semester Hours</i>
Physics 3 and 4.....	10
Zoology 2.....	6
Chemistry 8.....	6
Electives.....	8
Total semester hours.....	30

NOTE.—The Council on Medical Educational of the American Association states:—"Of the 60 semester hours required as the measurement of 2 years work, at least 18, including the 6 semester hours in English, should be in subjects other than the physical, chemical, or biologic science."

COLLEGE OF ENGINEERING

ADMISSION

Candidates for admission to the Freshman Class in the Civil Engineering, Electrical Engineering, Mechanical Engineering and Chemical Engineering Courses are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English.....	3
French, German or Spanish.....	2
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry.....	½
Chemistry.....	1
Physics.....	1
Electives.....	4
Total.....	15

Candidates for admission to the Freshman Class in the Chemistry Course are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English.....	3
French, German or Spanish.....	2
Plane Geometry.....	1
Elementary and Intermediate Algebra.....	1½
Chemistry.....	1
Electives.....	6½
Total.....	15

Candidates for admission to the Freshman Class in the Architectural Course are required to present fifteen units for admission, distributed as follows:

	<i>Units</i>
English.....	3
French, German or Spanish.....	2
Plane and Solid Geometry.....	1½
Elementary and Advanced Algebra.....	2
Plane Trigonometry.....	½
Electives.....	6
Total.....	15

For detailed descriptions of the requirements in each preparatory subjects see pages 32-39.

For admission to advanced standing as a special student, see page 39.

COURSES FOR A DEGREE

Six courses of study are offered:

- I. CIVIL ENGINEERING.
- II. ELECTRICAL ENGINEERING.
- III. MECHANICAL ENGINEERING.
- IV. CHEMICAL ENGINEERING.
- V. CHEMISTRY.
- VI. ARCHITECTURE.

These courses occupy four years each, and lead to the degree of Bachelor of Science in Civil Engineering, in Electrical Engineering, in Mechanical Engineering, in Chemical Engineering, in Chemistry and in Architecture, respectively. Graduate courses of one year under the Faculty of Graduate Studies of the George Washington University are open to those who receive the appropriate engineering degrees, and lead, respectively, to the degrees of Civil Engineer, Electrical Engineer, and Mechanical Engineer.

The class hours are so arranged that persons who can give only part time to college work may complete a full engineering course and obtain a degree. Such students usually take six years to complete the course. Classes in all the general studies of the engineering courses and in many of the technical subjects are regularly scheduled in the two class periods from five-ten o'clock to six-fifty; and other technical courses are given in alternate years in these periods. The drawing rooms and laboratories are open from nine o'clock in the morning until half past ten at night.

REQUIREMENTS FOR A DEGREE

The arrangement of the topics in each of the regular courses for degree is shown below. The numbers following the names of subjects refer to the courses as given in the list of Department Subjects on page 72, to which reference should be made for more complete description.

CIVIL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

FRESHMAN YEAR

	<i>Semester-Hour Credits</i>
Chemistry, 1, 7.....	10
General Chemistry and Qualitative Analysis.	
English, 1 or 2.....	6
Rhetoric.	
French, German or Spanish.....	6

	<i>Semester-Hour Credits</i>
Mechanical Drawing, 1, 8.....	6
Mechanical Drawing; Descriptive Geometry.	
Mathematics, 9 or 12.....	6
Trigonometry; Analytic Geometry.	

SOPHOMORE YEAR

Astronomy, 2.....	2
Practical Astronomy.	
Civil Engineering, 1, 3, 4.....	14
Surveying; Highway Engineering; Materials of Construction.	
Commerce, 33.....	4
Commercial Law.	
Mathematics, 20 or 21.....	6
Calculus.	
Physics, 1, 2.....	10
General Physics; Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 21, 22.....	12
Mechanics; Hydraulics, Mechanics or Materials.	
Civil Engineering, 2, 22.....	16
Railroad Engineering; Theory of Structures.	
Electrical Engineering, 6.....	4
Industrial Electricity.	
Geology, 21.....	4
Engineering Geology.	

SENIOR YEAR

Civil Engineering, 21, 23, 24, 27.....	30
Hydraulic Engineering; Theory of Structures; Sanitary Engineering; Reinforced Concrete.	
Elective.....	4

**ELECTRICAL ENGINEERING COURSE LEADING TO THE DEGREE
OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

FRESHMAN YEAR

Identical with the Civil Engineering Course

SOPHOMORE YEAR

	<i>Semester-Hour Credits</i>
Civil Engineering, 4.....	4
Materials of Construction.	

*Semester Hour
Credits*

Commerce, 33.....	4
Commercial Law.	
Mathematics, 20 or 21.....	6
Calculus.	
Mechanical Drawing, 2.....	4
Machine Drawing.	
Mechanical Engineering, 1.....	8
Mechanism.	
Physics, 1, 2.....	10
General Physics; Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 21, 22.....	12
Mechanics; Hydraulics; Mechanics of Materials.	
Chemistry, 6.....	2
Metallurgy.	
Electrical Engineering, 1, 2, 3, 4, 5.....	14
Mathematical Theory of Electricity; Direct Current Theory and Machinery; Design; Electrical Engineering Laboratory.	
Mechanical Engineering, 9, 20.....	8
Engineering Laboratory; Thermodynamics, Steam Boil- ers and Power Plant Accessories.	

SENIOR YEAR

Civil Engineering, 5, 6.....	2
Surveying Instruments; Foundations.	
Electrical Engineering, 21, 22, 23, 24, 27, 28, 29.....	22
Alternating Currents; Electrical Distribution; Electrical Applications; Electrical Engineering Laboratory; Elec- tric Railways; Telephones and Telegraph; Electric Illumination.	
Mechanical Engineering, 10, 23.....	4
Engineering Laboratory; Hydraulic Machinery.	
Electives.....	6

MECHANICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

FRESHMAN YEAR

Identical with the Civil Engineering Course

SOPHOMORE YEAR

	<i>Semester-Hour Credits</i>
Civil Engineering, 4.....	4
Materials of Construction.	
Commerce, 33.....	4
Commercial Law.	
Mathematics, 20 or 21.....	6
Calculus.	
Mechanical Drawing, 2.....	4
Machine Drawing.	
Mechanical Engineering, 1.....	8
Mechanism.	
Physics, 1, 2.....	10
General Physics; Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 21, 22.....	12
Mechanics; Hydraulics; Mechanics of Materials.	
Civil Engineering, 22.....	5
Theory of Structures.	
Mechanical Engineering, 9, 20, 24, 26, 27.....	16
Engineering Laboratory; Thermodynamics, Steam Boilers and Power Plant Accessories; Advanced Mechanism, Dynamics of Machinery; Power Plant Problems.	
Electrical Engineering, 2.....	6
Dynamios and Motors.	

SENIOR YEAR

Chemistry, 6.....	2
Metallurgy.	
Civil Engineering, 5, 6.....	2
Surveying Instruments; Foundation.	
Electrical Engineering, 4, 5.....	4
Electrical Laboratory.	
Mechanical Engineering, 10, 11, 23, 25, 28, 29, 30, 31.....	21
Engineering Laboratory; Hydraulic Machinery; Machine Design; Industrial Management; Heating and Ventilating; Gas Engines; Steam Turbines.	
Electives.....	3

CHEMICAL ENGINEERING COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

FRESHMAN YEAR

*Semester-Hour
Credits*

Architecture, 2.....	2
Free hand Drawing.	
Chemistry, 1, 2.....	10
General Chemistry; Laboratory Practice.	
English, 1 or 2.....	6
Rhetoric.	
French, German or Spanish.....	6
Mathematics, 9 or 12.....	6
Trigonometry; Analytic Geometry.	
Mechanical Drawing 1.....	4
Mechanical Drawing.	

SOPHOMORE YEAR

Chemistry, 3, 20.....	10
Chemical Laboratory; Qualitative Analysis.	
Geology, 1.....	4
Mineralogy.	
Mathematics, 20 or 21.....	6
Calculus.	
Mechanical Engineering, 1.....	8
Mechanism.	
Physics, 1 and 2.....	10
General Physics, Laboratory Physics.	

JUNIOR YEAR

Applied Mathematics, 20, 22.....	8
Mechanics; Mechanics of Materials.	
Chemistry, 6, 21, 23.....	14
Metallurgy; Quantitative Analysis; Organic Chemistry.	
Commerce, 33.....	4
Commercial Law.	
Electrical Engineering, 1.....	4
Elementary Mathematical Theory of Electricity.	
Mechanical Engineering, 20.....	6
Thermodynamics, Steam Boilers and Power Plant Accessories.	

SENIOR YEAR

Chemistry, 24, 25, 26, 29.....	22
Organic Chemistry; Organic Laboratory; Physical Chemistry; Industrial Chemistry.	
Mechanical Engineering, 9, 10.....	4
Mechanical Laboratory.	
Electives.....	6

CHEMICAL COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR

	<i>Semester-Hour Credits</i>
Architecture, 2.....	4
Freehand Drawing.	
Chemistry, 1, 2.....	10
General Chemistry; Laboratory Practice.	
English, 1 or 2.....	6
Rhetoric.	
French, German or Spanish.....	6
Mathematics, 3 or 6.....	6
College Algebra; Solid Geometry; Elementary Trigonometry.	
Mechanical Drawing, 4.....	2
Mechanical Drawing.	

SOPHOMORE YEAR

Chemistry, 3, 20.....	10
Chemical Laboratory; Qualitative Analysis.	
French, German or Spanish.....	6
Mathematics, 9 or 12.....	6
Trigonometry; Analytic Geometry.	
Physics, 3, 4.....	10
General Physics; Physics Laboratory.	
Electives.....	4

JUNIOR YEAR

Chemistry, 21 (4), 23.....	12
Quantitative Analysis; Organic Chemistry.	
Commerce, 33.....	4
Commercial Law.	
French, German or Spanish.....	6
Geology, 1.....	4
Mineralogy.	
Mathematics, 20 or 21.....	6
Calculus.	
Electives.....	4

SENIOR YEAR

Chemistry, 6, 24, 25, 26, 27.....	22
Metallurgy; Organic Chemistry; Organic Laboratory; Physical Chemistry; Stereo-Chemistry.	
Geology, 2.....	4
General Geology.	
Electives.....	8

COURSE IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE OF ARCHITECTURE

FRESHMAN YEAR

	<i>Semester-Hour Credits</i>
Architecture, 2, 3, 4.....	14
Free-hand Drawing; Architectural Drawing and Elementary Design; Projections, Shades, Shadows and Perspective.	
English, 1 or 2.....	6
Rhetoric.	
French.....	6
Mathematics, 9 or 12.....	6
Trigonometry; Analytic Geometry.	

SOPHOMORE YEAR

Architecture, 5, 6, 8.....	18
Architectural Design; Free-hand Drawing; History of Architecture.	
English, 5 or 6.....	6
English Literature.	
French.....	6
Geology, 2.....	4

JUNIOR YEAR

Architecture, 20, 21, 22, 24, 25, 33, 41.....	30
History of Architecture; Building Construction; Sanitation; Pen and Ink Rendering; Design; Water Color, Heating and Ventilating.	
Physics, 1 or 3.....	3
General Physics.	

SENIOR YEAR

Architecture, 27 or 37, 28, 39, 40, 43, 44.....	30
Design; History of Painting and Sculpture; Building Construction; Water Color; Office Practice; Advance Construction.	
Commerce, 33.....	4
Commercial Law.	
Electrical Engineering, 29.....	2
Electric Illumination.	
Electives.....	2

SPECIAL STUDENTS

All the courses of instruction are open to students of suitable age and attainments who wish, without reference to any degree, to pursue special studies. Candidates must show that they are familiar with the subjects preliminary to the studies which they wish to pursue.

FEES

The annual tuition fee for a student taking courses aggregating fifteen or more hours a week throughout the year is one hundred and eighty dollars. Part time students pay in accordance with the amount of work taken, the fee being six dollars for each semester-hour credit. For courses in the laboratories there are additional laboratory fees. Full statements in regard to the fees are given on pages 45 and 46.

TEACHERS COLLEGE

The purpose of Teachers College is to provide (a) collegiate training for teachers, (b) instruction in education as a department of science.

The aims of the Teachers College may be summarized as follows:

- a. To promote the knowledge of educational science.
- b. To fit students for the higher positions in the public school service.
- c. To secure to teaching the rights and prerogatives of a profession.
- d. To aid in raising the standards of educational practice, and so to increase the efficiency of public education.

ORGANIZATION

Teachers College provides a four years' college course, the first two years of which are devoted to a foundation of general culture courses, and the last two to professional courses and to specialization in the subjects which the student expects to teach. The schedule of courses is arranged so as to meet the convenience of both full time and part time students. By attending afternoon and Saturday classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

Candidates for admission to the Freshman Class in Teachers College must meet the general admission requirements (p. 32) of fifteen units. *Three of these must be in English, two and one-half in Mathematics, and two in one of the following languages; Latin, Greek, French, German, or Spanish.* The remainder of the required fifteen units may be satisfied by any accredited secondary subjects.

Persons desirous of taking work without becoming candidates for a degree, may be admitted as *special students* on the presentation of satisfactory evidence that they are qualified to pursue the work to advantage.

ADVANCED STANDING

Students transferring from normal schools, colleges, and other schools of similar rank will be admitted to such advanced standing as the courses they have pursued warrant. Graduates of normal schools with two-year courses resting upon graduation from an approved four-year high school are granted forty-eight semester-hours of advanced standing.

For further information concerning admission as special student or to advanced standing, see p. 39.

GRADUATION

On the completion of courses of study aggregating a minimum of one hundred and twenty-four semester-hours, the University confers the degree of Bachelor of Arts and a Bachelor's Diploma in Education. These courses are partly prescribed and partly elective, and the degree is conferred when the necessary work has been completed, no time limit being set.

The prescriptions are as follows:

a. In general culture subjects:

	<i>Semester Hours</i>
Biology*.....	6
English.....	6
Foreign Language*.....	12
History*.....	12
Psychology and Logic.....	6
Philosophy.....	6

For the subjects marked with an asterisk (*) electives may be substituted to the extent that approved secondary school work has been done in them. The foreign language requirement must fall in one language, while in history it is required that a survey of the world's history be obtained.

b. In professional subjects the following twenty semester-hours are prescribed, although teachers of experience may receive credit for Observation and Practice Teaching.

	<i>Semester Hours</i>
History of Education.....	4
Principles of Education.....	2
Principles of Teaching.....	2
School Hygiene.....	2
Observation and Practice Teaching.....	4
Electives in Education.....	6

Graduates of approved normal schools may satisfy the requirement in the professional subjects by the completion of twelve semester-hours exclusive of the credits for Observation and Practice Teaching. These hours are elective with the advice and consent of the Dean.

c. All regular students must complete before graduation at least eighteen semester-hours in a major, and at least ten semester-hours in a minor subject, in addition to the first required course, if any, in the same subject.

THE TEACHER'S DIPLOMA

The Bachelor's Diploma in Education is granted in connection with the Bachelor of Arts degree (or, to students without experience in teaching, in connection with higher degrees) upon the fulfillment of the following conditions: (1) The student must have satisfactorily completed the courses of study defined above. (2) He must, in the judgment of his instructors, also possess other qualifications essential to success in teaching.

A diploma corresponding to the degree is given also in connection with higher degrees, provided a graduate student has taken a major or minor in education, has satisfied the requirements *a*, *b* and *c* above, and has had at least two years of successful experience in teaching.

A student holding a degree from an approved college or university may, by satisfying requirements *a*, *b* and *c* above, earn a diploma without registering for a degree.

OBSERVATION AND PRACTICE TEACHING

Through the courtesy of the officials of the public schools, opportunities for observation and teaching are given in the high and elementary schools of Washington.

EXPERIMENTAL WORK

Teachers College maintains a psychological laboratory for introductory experimental work. The equipment is specially adapted to the investigation of problems of interest to students of education.

The school system of a large city, moreover, offers abundant opportunity for observation and for the study of methods and other practical educational problems.

TEACHERS APPOINTMENT BUREAU

Teachers College maintains a Teachers Appointment Bureau for the purpose of aiding students who are studying, or have studied, in the University, to secure positions as teachers. This service is performed gratuitously, in the interest both of students and of superintendents of schools and boards of education wishing to employ teachers.

SCHEDULE OF CLASSES IN COLUMBIAN COLLEGE AND TEACHERS COLLEGE

Monday, Wednesday, Friday

	<i>Course</i>		<i>Instructor</i>
9.15	Education 20	Principles of Teaching	Ruediger
	English 24	Drama	Bolwell
	French 1	First year French	Protzman
	Mathematics 3A	Alg., Geom., Trig.	Erwin
	Spanish 1A	First Year Spanish	Patison
10.15	English 22	Shakespeare's Comedies	Wilbur
	French 3A	Second Year French	Henning
	German 20	Literature	Schoenfeld
	Mathematics 9	Trig., Analytic Geom.	Erwin
	Philosophy 1, 3	Psychology; Logic	Ruediger
	Pol. Science 1, 3	U. S. Govt., State Govts.	Hill
	Spanish 3	Second Year Spanish	Patison
11.15	Economics 1	General Economics	Kern
	German 3	Second Year German	Schoenfeld
	Greek 2	Xenophon, etc.	Smith
	Physics 1	General Physics	Brown
	Pol. Sci. 21, 22	European Governments	Hill
1.45	English 36	The Novel	Bolwell
	German 7	Third Year German	Schoenfeld
	Latin 1	Livy, etc.	Smith
	Philosophy 23	Laboratory Psychology	Metcalf
	Physics 3	Introductory Physics	Brown
	Spanish 1B	First Year Spanish	Protzman
2.45	Greek 1	Herodotus, etc.	Smith
	History 1, 2	Medieval History	Swisher
4.00	English 30	Types of Literature	Croissant
	French 5	19th-17th Century	Henning
	History 3, 4	European History	Swisher
	Latin 2	Cicero, etc.	Smith
	Spanish 22	Literature	Doyle
5.10	Commerce 40, 42	Ind. Hist. of U.S.; World Pol.	Kochenderfer
	English 2	Rhetoric	Wilbur
	English 31	Journalism	Chace
	English 56	English Comedy	Croissant
	French 2A	First Year French	Protzman
	French 7	Conversational	Teillard
	French 28	Literature from 1850	Henning
	French 50	Old French	Doyle
	German 21	Literature	Schoenfeld
	History 25	English History	Churchill
	Mathematics 4	Algebra; trig.	Hodgkins, H. G.
	Mathematics 12	Trig.; Anal. Geom.	Erwin
	Philosophy 2, 4	Psychology; Logic	Ruediger
	Physics 1	General Physics	Brown
	Pol. Sci. 29, 30	International Law; Diplom.	Hill
	Portuguese 4	Second Year Course	Coutinho
	Spanish 2A	First Year Spanish	Patison
	Zoology 1	Invertebrates	Bartsch

	<i>Course</i>		<i>Instructor</i>
6.00	Commerce 36.....	Commercial Geography.....	Kochenderfer
	Economics 2.....	General Economics.....	Kern
	English 25.....	Drama.....	Croissant
	English 52.....	Shakespeare.....	Wilbur.
	French 2B.....	First Year French.....	Protzman
	German 4.....	Second Year German.....	Schmidt
	History 30.....	Amer. Constitutional Hist.....	McArthur
	Mathematics 6.....	Alg., Geom., Trig.....	Hodgkins, H. G.
	Mathematics 12B.....	Trig., Analytic Geometry.....	Erwin
	Physics 3.....	Introductory Physics.....	Cheney
	Portuguese 1.....	First Year Course.....	Coutinho
	Spanish 2B.....	First Year Spanish.....	Patison
	Spanish 4A.....	Second Year Spanish.....	Doyle
	Spanish 7.....	Spanish Conversation.....	Saldaña
	Zoology 2.....	Vertebrates.....	Bartsch

Tuesday, Thursday, Saturday

9.15	English 5.....	English Literature.....	Bolwell
	French 1.....	First Year French.....	Protzman
	French 3B.....	Second Year French.....	Doyle
	History 21.....	Ancient History.....	Kayser
	Mathematics 3B.....	Alg., Geom., Trig.....	Erwin
	Mathematics 21.....	Calculus.....	Hodgkins, H. L.
10.15	English 1.....	Rhetoric.....	Wilbur
	English 26.....	Poetry.....	Croissant
	Mathematics 24, 25.....	Theory of Equations, etc.....	Erwin
	Philosophy 20, 21.....	Hist. of Phil., Ethics.....	Richardson
11.15	English 29.....	American Literature.....	Croissant
	German 1.....	First Year German.....	Schoenfeld
	History 20.....	American History.....	Alden
	Latin B.....	Cicero and Vergil.....	Smith
12.00	Chemistry 1.....	General Chemistry.....	McNeil
5.10	Architecture 28.....	Painting and Sculpture.....	Bibb
	Chemistry 1.....	General Chemistry.....	McNeil
	Commerce 20, 47.....	Princ. of Business; Transp.....	Kochenderfer
	English 6.....	English Literature.....	Bolwell
	Ethnology 50.....	General Introduction.....	Michelson
	French 2C.....	First Year French.....	Protzman
	French 2D.....	First Year French.....	Kramer
	French 4A.....	Second Year French.....	Henning
	German 2.....	First Year German.....	Schmidt
	German 8.....	Third Year German.....	Schoenfeld
	History 35.....	General History.....	Swisher
	Mathematics 20.....	Calculus.....	Hodgkins, H. L.
	Mathematics 54, 55.....	Functions.....	Erwin
	Philosophy 6, 8.....	Psychology; Logic.....	Metcalf
	Physics 23.....	Electricity.....	Brown
	Pol. Sci. 27, 28.....	International Relations.....	Hill
	Spanish 2C.....	First Year Spanish.....	Patison
	Spanish 4B.....	Second Year Spanish.....	Doyle
6.00	Architecture 20.....	History of Architecture.....	Bibb
	French 2E.....	First Year French.....	Cullom
	French 4B.....	Second Year French.....	Kramer
	French 6.....	Literature.....	Henning
	German 6.....	Second Year German.....	Schmidt

	<i>Course</i>	<i>Instructor</i>
6.00	History 31, 32.....	Modern European History.. Swisher
	Mathematics 12C....	Trig., Analytic Geometry... Erwin
	Pol. Science 2, 4....	U. S. Govt. State Govts.... Hill
	Spanish 2D	First Year Spanish..... Patison
	Spanish 6.....	Third Year Spanish..... Doyle

Tuesday and Thursday

10.15	Greek B.....	Homer.....	Smith
	Philosophy 29, 21...	Problems; Ethics.....	Richardson
	Latin 20.....	Tacitus, etc.....	Smith
	Physics 2, 4.....	Laboratory Physics.....	Brown
11.15	Astronomy 1.....	Popular Astronomy.....	Erwin
	Physics 9.....	Electricity.....	Brown
1.15	{	Chemistry 2.....	Laboratory Practice..... Swett
to		Chemistry 3.....	Organic Chemistry..... Swett
4.15	{	Chemistry 7.....	Qualitative Analysis..... Swett
1.45		Greek 21.....	Demosthenes, etc..... Smith
2.45		Physics 2, 4.....	Laboratory Physics..... Brown
4.00		Architecture 8.....	History of Architecture... Bibb
		Classical Literature..	Latin Literature..... Smith
		Education 21.....	Principles of Education... Ruediger
		English 39.....	Composition..... Bolwell
5.10		Economics 22, 23...	Sociology..... Kern
		Education 30.....	Story Telling..... Albion
		Education 50.....	Seminar..... Ruediger
		Philosophy 24.....	History of Philosophy.... Richardson
6.00		Commerce 33.....	Commercial Law..... Alden
		Economics 27, 26...	Banking; Finance..... Kern
		Philosophy 50.....	Seminar in Psychology.... Metcalf
7.00	{	Chemistry 2.....	Laboratory Practice..... Swett
to		Chemistry 3.....	Organic Chemistry..... Swett
10.00	{	Chemistry 7.....	Qualitative Analysis..... Swett
7.30		Physics 2.....	Laboratory Physics..... Brown
to			
9.30			

Thursday and Saturday

5.10	Portuguese 2.....	Literature.....	Coutinho
6.10	Chemistry 24.....	Organic Chemistry.....	Swett

Monday and Wednesday

5.10	Ethnology 51.....	North America.....	Michelson
6.00	Philosophy 30, 32...	Problems; Ethics.....	Richardson
6.10	Chemistry 26.....	Physical Chemistry.....	McNeil
7.00	Chemistry 8.....	Organic Chemistry.....	McNeil

Monday and Friday

9.15	Economics 43, 44...	Trusts; Labor Problems...	Kern
11.15	Mathematics 50.....	Differential Equations....	Hodgkins
4.00	Geology 21.....	Engineering Geology.....	Resser
5.10	Geology 1.....	Mineralogy.....	Bassler
	Geology 20.....	Economic Geology.....	Bassler
6.00	Geology 2.....	Geology.....	Bassler
7.30	{	Physics 4.....	Laboratory Physics..... Cheney
to			
9.30			

Wednesday and Friday

	<i>Course</i>		<i>Instructor</i>
4.00	Archaeology 20.....	History of Art.....	Carroll
4.50	Chemistry 23.....	Organic Chemistry.....	Swett

Monday

5.10	Education 24.....	School Sanitation.....	Small
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Tuesday

5.10	Pol. Sci. 26.....	Brazil.....	Coutinho
6.10	Chemistry 6.....	Metallurgy.....	McNeil

Wednesday

5.10	Education 27.....	School Administration.....	Small
	Geology 3.....	Geography.....	Resser
	Philosophy 27.....	Recent Phi. Movements....	Richardson
6.00	Geology 4.....	Physiographic Geography...	Resser

Thursday

2.45	Latin 22.....	Latin Composition.....	Smith
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Saturday

9.15	Education 22.....	History of Education.....	Ruediger
to	Philosophy 25.....	Laboratory Psychology.....	Metcalf
11.15			
11.15	History 33.....	Current History.....	Swisher

COURSES OF INSTRUCTION PROVIDED BY THE DEPARTMENT OF ARTS AND SCIENCES

Courses of instruction are divided into three sections.

First-section courses may be taken by third or fourth year students only by permission of the Dean and the professor in charge of the subject. They may sometimes be recommended to graduate students, but are not counted toward the higher degrees. The courses in the second section are in general for advanced students, candidates for the bachelor's degree; they serve, however, with additional work, as minors for the higher degrees, provided they have not already counted toward a degree. They may be taken by students in the second year of their course only by special permission of the professor in charge. The courses in the third section are in general for graduate students only, candidates for one or other of the higher degrees. They are open to undergraduates only on the recommendation of the instructors, and no undergraduate student shall take in one year more than one course in the third section. When an announced course has not been applied for by at least three students, candidates for a degree, the instructor may withdraw the course. First-section courses are numbered 1 to 19, inclusive; second-section courses 20 to 49, inclusive; third-section courses, 50 and upwards. The number of hours, unless otherwise specified, indicate hours per week throughout the year. The unit of credit is one hour of recitation or lecture work per week for one semester; laboratory hours in chemistry and drawing count one-third unit each, in other subjects one-half unit each. Laboratories and drawing rooms will be open from 9.15 a. m. till 10 p. m., with competent assistants in charge to direct students. No student is admitted to a course unless he fulfills all the preliminary requirements for the course, or otherwise satisfies the instructor that he is prepared to pursue it. Every student must make his election of courses so as to avoid conflict between the hours appointed for recitations.

Under each course is stated the number of credits for which the course is counted toward satisfying the requirements for the undergraduate degrees of Bachelor of Arts and Bachelor of Science, or for the graduate degrees of Master of Arts and Master of Science, or for the graduate degrees in engineering.

APPLIED MATHEMATICS

Second Section. For Undergraduates and Graduates.

20. *Analytical and Applied Mechanics.* (1) Statics: including composition, resolution and equilibrium of forces; center of gravity; moment of inertia. (2) Kinematics and Kinetics: including rectilinear, curvilinear and rotary motion; dynamics of machinery; work and energy; friction; impact. Four hours, first half-year. Four semester-hour credits.

21. *Hydraulics.*— The theoretical principles of hydraulics: including hydrostatics, flow through orifices, over weirs, through pipes and in open channels, and the dynamic pressure of water. Two hours. Four semester-hour credits. Professor LAPHAM.

22. *Mechanics of Materials and Theory of Elasticity*.—Including elastic and ultimate strength and deformation: simple cantilever and continuous beams, columns, torsion; combined stresses; compound columns and beams, including reinforced concrete; resilience; work; fatigue; mathematical theory of elasticity. Four hours, second-half year. Four semester-hour credits.

ARCHAEOLOGY AND HISTORY OF ART

Second Section. For Graduates and Undergraduates.

20. *History of Art*.—An introductory course in the history of architecture, sculpture and painting, illustrated by photographs, lantern slides and casts. 1919–20, Prehistoric, Classical and Medieval Art; 1920–21, Renaissance and Modern Art. *Wed., Fri.*, at 4. Four semester-hour credits. Professor CARROLL.

Third Section. Primarily for Graduates

50. *Pro-Seminary of Art and Archaeology*. (a) Prehistoric Art and Archaeology. Six semester-hour credits. Professor CARROLL. (b) History and Appreciation of Painting. Illustrated lectures on the schools of painting from the Renaissance down to the American school. Supplemented by courses of reading and visits to galleries in Washington and neighboring cities. Six semester-hour credits. Dr. BRIGHAM.

51. *American Archaeology*.—In conjunction with the School of American Archaeology in Santa Fé. Six semester-hour credits. Professor CARROLL and Dr. HEWETT.

Use is made of the illustrative material in the National Museum, the Library of Congress and the Corcoran Gallery of Art. Students are invited to the open meetings of the Art and Archaeology League, and the Washington Society of the Archaeological Institute of America.

ARCHITECTURE

2. *Freehand Drawing*.—This course consists of drawing in charcoal from casts of simple form. Two periods. Four semester-hour credits. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

3. *Architectural Drawing and Elementary Design*.—This course includes the study of the elements of Architecture including the Five Orders, the use of india ink and water color rendering. At least nine hours per week are to be spent by the student in the drafting room. Six semester-hour credits.

Criticisms by Professor HARRIS on Tuesday and Thursday, 1.45 to 4.45 and by Assistant Professor BROWN on Tuesday, Wednesday and Friday evenings.

4. *Projections, Shades, Shadows and Perspective*.—A course in orthographic projections, shades and shadows, followed by a short course in the elements of perspective. Two periods. Four semester-hour credits.

Criticisms by Professor HARRIS on Tuesday 1.45 to 4.45 and by Assistant Professor BROWN on Wednesday evenings.

5. *Design*.—Problems of an elementary character are given to prepare the student for work in the Class B order of the Society of Beaux-Arts Architects; the rendering of these problems of this Society. At least twelve hours per week are to be spent by the student in the drafting room. Criticisms by Assistant Professor BROWN on Tuesday, Thursday and Friday evenings. Eight semester-hour credits.

6. *Free hand Drawing*.—An advanced course in drawing from cast and life. Two periods. Four semester-hour credits. Professor BIBB.

Credit for this course may also be obtained by taking work at the Corcoran Gallery of Art.

8. *History of Architecture*.—The course is designed to trace the development of the art in Ancient Egypt, in Greece, and in Rome, and through the Byzantine, and Mediaeval periods. *Tu., Th.*, at 4.00. Four semester-hour credits. Professor BIBB.

Second Section. For Undergraduates and Graduates.

20. *History of Architecture*.—A study of the Architecture of the Renaissance in its relation to Ancient and to Modern Architecture. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor BIBB.

21. *Building Construction*.—Frame buildings, details of construction, interior finish, three-fourths scale and full-size details. *Wed., Fri.*, at 6.00 and two periods in drawing room; first half-year. Four semester-hour credits. Professor HARRIS.

22. *Sanitation*.—History of sanitation; pollution of water sources; modern plumbing practice; methods of sewage disposal, septic tank, sewage disposal fields, etc. *Wed., Fri.*, at 5.10; first half-year. Two semester-hour credits. Professor HARRIS.

24. *Pen-and-Ink Rendering*.—A study of the renderings of the best pen-and-ink draftsmen, with practice in the use of the pen as a means of Architectural expression. One period. Two semester-hour credits.

Hours of criticism selected by conference with Assistant Professor BROWN.

25. *Design*.—Plan problems, sketch problems, and archaeology problems from the Class B plan programs of the Society of Beaux-Arts Architects. At least fifteen hours a week are to be spent by the student in the drafting room. Ten semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

27. *Advanced Design*.—Plan problems and sketch problems are given from the Class A programs of the Society of Beaux-Arts Architects. The latter part of the year is devoted to a thesis, the subject being selected by the student, subject to the approval of the Professor of Design. At least eighteen hours a week are to be spent by the student in the drafting room. Twelve semester-hour credits. Criticism by Assistant Professor BROWN on Tuesday and Friday evenings.

28. *History of Sculpture and Painting*.—An advanced course offering a comparative study of the development of art as the expression of civiliza-

tion; an outline of the lives of great artists and a critical analysis of their achievement. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor BIBB.

33. *Water Color*.—A course of drawing in water color from still life and from buildings and gardens. Two periods. Four semester-hour credits. Professor BIBB.

39. *Building Construction*.—Masonry foundations, pile foundations stone work, brick work, fire-proofing, ornamental terra cotta, plastering, specifications. *Wed., Fri.*, at 6.00 and two periods in the drawing room, second half-year. Four semester-hour credits. Professor HARRIS.

40. *Water Color*.—An advanced course in water color drawing including studies from life. Two periods. Four semester-hour credits. Professor BIBB.

41. *Heating and Ventilating*.—Elementary principles of heating and ventilating; details of installation of hot air, hot water, and steam heating plants. *Wed., Fri.*, at 5.10; second half-year. Two semester-hour credits. Professor HARRIS.

43. *Office Practice*.—A course of lectures on office practice, business methods of an architect and special types of buildings by the teaching staff and practicing architects of the District of Columbia. Two semester-hour credits.

44. *Advanced Construction*.—A course arranged especially for architectural students, embracing problems in the determination of beam sizes, girder and column design, grillage beam footings and the design of the simpler forms of trusses. Four semester-hour credits. Professor HARRIS.

ASTRONOMY

First Section. Primarily for Undergraduates.

1. *Popular Astronomy*.—A course in elementary descriptive astronomy designed to give facts of general interest without the use of higher mathematics. Recitations, lectures and papers on special topics assigned to each student. *Tu., Th.*, at 11.15. Four semester-hour credits. Professor ERWIN.

2. *A Course in Practical Astronomy for Civil Engineering Students*.—Special attention is given to the methods of determining latitude, longitude, azimuth and time with the engineer's transit. Two hours during one term. Two semester-hour credits. Professor LAPHAN.

Third Section. Primarily for Graduates.

58. *Celestial Mechanics*.—Theory of central forces; theory of parabolic and elliptic orbits. Lectures, with reading from the works of Gauss, Oppolzer, and Moulton. Six semester-hour credits. Professor HALL.

ASTRO-PHYSICS

Third Section. Primarily for Graduates.

54. A lecture course on the astro-physical instruments employed in modern research. Six semester-hour credits. Mr. FOWLE.

55. Some applications of Astrophysics, Geophysics, Chemical Physics and Colloidal Physics to Meteorology. Six semester-hour credits. Mr. FOWLE.

CHEMISTRY

First Section. Primarily for Undergraduates.

1. *General Chemistry*.—A series of illustrated lectures, accompanied by exercises and tests on theoretical, inorganic, organic and technical chemistry. Section A. *Tu., Th., Sat.*, at 12.00. Section B. *Tu., Th., Sat.*, at 5.00. Six semester-hour credits. Professor McNEIL.

2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiment. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL and Professor SWETT.

3. *Preparation and Study of the Properties of Chemical Substances*.—A laboratory course. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

4. *Assaying and Metallurgy of the Precious Metals*.—Carried on by the method used by the Government Assayers, the Laboratory being fitted up on the plan of that of the United States Mint. Twelve hours for three months. Professor McNEIL, Professor SWETT.

5. *Principles of Analysis*.—Lecture. One hour. Two semester-hour credits. Professor McNEIL.

6. *Metallurgy of Iron and Steel*.—A course of lectures and readings. *Tu.*, at 6.10. Two semester-hour credits. Professor McNEIL.

7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. Two three-hour periods. *Tu., Th.*, at 1.15 or at 7. Four semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

8. *Elementary Organic Chemistry*.—A lecture and laboratory course including both the aliphatic and aromatic series of compounds. Two lectures and three hours laboratory work per week. *Mon., Wed.*, at 7. Six semester-hour credits. Professor McNEIL.

Second Section. For Undergraduates and Graduates.

20. *Qualitative Analysis*.—A laboratory course in the study of properties and reactions of chemical substances, and of the means employed for their detection and identification. Three three-hour periods. Six Semester-hour credits. Professor McNEIL, Professor SWETT, Mr. VALAER.

21. *Quantitative Analysis*.—A laboratory course in the quantitative estimation of the constituents of a specially selected and typical set of chemical substances, which are particularly adapted for teaching the student the aims and methods of quantitative chemical analysis and for imparting facility in manipulation. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor SWETT, Mr. PHILLIPS.

23. *Organic Chemistry*.—Advanced course. *Wed., Fri.*, at 4.50. Four semester-hour credits. Professor SWETT.

24. *Organic Chemistry*.—Advanced course. A continuation of Course 23. Th., Sat., at 6.10. Four semester-hour credits. Professor SWETT.

25. *Chemistry of the Carbon Compounds*.—A laboratory course in the preparation and study of the properties of a characteristic series of organic compounds. Four three-hour periods. Eight semester-hour credits. Professor McNEIL, Professor SWETT, Mr. LEPPER.

26. *Physical Chemistry*.—A lecture course designed to be an introduction to physical chemistry, and to treat of the modern theories of chemistry from the physical standpoint. Special attention is given to the ionic theory, electro-chemistry, colloids, the law of mass action, and the phase rule. Mon., and Wed., at 6.10. Four semester-hour credits. Professor McNEIL.

27. *Stereo-Chemistry*.—This course deals with the arrangement of atoms in space from a theoretical standpoint, while the student is taught how to form models by which to illustrate their arrangements. Two hours. Four semester-hour credits. Assistant Professor HILL.

28. *Biochemistry*.—A laboratory course in the chemical examination of some of the chief foodstuffs, the tissues and fluids of the body, and the products of certain organisms; also the isolation of the digestive enzymes and a study of their action *in vitro*. Three three-hour periods. Six semester-hour credits. Assistant Professor LEFFLER.

29. *Industrial Chemistry*. This course deals with the manufacture of substances styled "chemicals" and with the application of chemistry to the arts and industries. Six semester-hour credits. Not given in 1920-21.

30. *Physical Chemistry*.—A laboratory course, designed to illustrate and supplement Chemistry 26; and especially adapted to the needs of those students who have taken, or are taking that course. Two three-hour periods. Four semester-hour credits. Assistant Professor HILL.

Third Section. Primarily for Graduates.

50. *Explosive Substances*.—Ten semester-hour credits. Professor CUSHMAN.

51. *Analytical Methods*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

53. *Development of the Theory of the Constitution of the Natural Silicates*.—Six semester-hour credits. Professor CLARKE.

55. *Special Researches in Electro-Chemistry*.—Six semester-hour credits. Assistant Professor Hopkins.

57. *Research in Physical Chemistry*.—Six semester-hour credits. Additional credits may be earned by special arrangement. Professor McNEIL.

Students in Chemistry are invited to attend the meetings of the Chemical Society of Washington which are held on the second and fourth Thursdays of each month, from October to May, in the Assembly Hall of the Cosmos Club, at 8 p. m., and also the meetings of the Chemical Society of the George Washington University which is a most active and efficient student organization.

CIVIL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Surveying and Mapping.*—This course includes recitations, field and drawing room work. The recitations will cover the theory, adjustment and use of instruments; land, topographic, hydrographic and geodetic surveying; latitude, longitude, time and azimuth. The field work includes the adjustment of and the use of the level, and transit. The computations cover the closing of traverses, computation of areas, contour problems and the reduction and plotting of field notes. Two recitations a week; field and drawing room work equivalent to one three-hour period a week throughout the year. Six semester-hour credits. Professor LAPHAM and Mr. MARSH.

2. *Railroad Engineering.*—This course includes recitations, field and drawing-room work. The recitations cover railroad curves and earth-work, methods of location and construction of railway lines. The field work consists of a preliminary and location survey; the laying out of circular and transition curves, etc. The computations and mapping consist of making an estimate of quantities and cost of a piece of line, making maps, profiles and a mass diagram. Two lecture-recitations and one three-hour field or drawing period a week throughout the year. Six semester-hour credits. Professor LAPHAM.

3. *Highways and Pavements.*—This course comprises the study of highway economics, location, construction and maintenance; the various methods of surfacing; the materials used and the standard tests of these materials. A study is also made of the methods of street paving, street grades, etc. Two hours a week. Four semester-hour credits. Mr. MARSH.

4. *Materials of Construction.*—A course in the study of the chemical and physical properties of: stone, brick, lime, wood, iron, steel and a few of the minor alloys. Stress is laid on the manufacture and the properties of the materials that affect their use in engineering construction. The class-room work is supplemented by laboratory tests and by inspection trips to testing laboratories and manufacturing plants. Two hours a week. Four semester-hour credits. Professor LAPHAM.

5. *Surveying Instruments.*—A two-month's course for mechanical and Electrical Engineering students, covering the use of the compass, transit, and level. Lectures and field exercises, two hours. One semester-hour credit. Professor LAPHAM.

6. *Foundations.*—A two-month's course for Mechanical and Electrical Engineering students, covering the general principles of foundation construction and the materials used. Two hours. One semester-hour credit. Professor LAPHAM.

Second Section. For Undergraduates and Graduates.

21. *Hydraulic Engineering.*—The design and construction of water-power plants and irrigation works. Flow of rivers; rainfall and runoff; methods of development; hydraulic motors; power transmission. Irrigation plans;

distributing system; water rights and irrigation law. Two lectures and one design period. Six semester-hour credits. Professor LAPHAM.

22. *Structures*.—A course covering the determination of stresses in framed structures and their deflection by graphical and by analytical methods. The first term is devoted to beams and roof trusses; the second to bridge trusses under uniform and wheel loads. Three lectures and two design periods. Ten semester-hour credits. Mechanical engineering students take only the first term. Five semester-hour credits.

23. *Structures*.—The design of structures in timber, steel and masonry; timber trestles, roof trusses and slow-burning construction; steel mill and office buildings; girder, riveted and pin-connected bridges; bridge piers, abutments and similar structures; theory of foundation pile and pile driving, caissons and cofferdams. Three lectures and two design periods. Ten semester-hour credits.

24. *Sanitary Engineering*.—Water supply; the collection, storage and distribution of water; the design and construction of dams, reservoirs and storage tanks; construction and maintenance of water distributing systems; pumping machinery; quality of water; interpretation of water analyses; sedimentation and aeration of water; sand filtration; mechanical filtration; chemical treatment of water; the relation of water supply to infectious diseases.

Sewerage; sewerage and drainage systems; methods of disposal of sewage and trade wastes; treatment of sewage; garbage and refuse disposal. Three lectures and one design period. Eight semester-hour credits. Professor LAPHAM.

27. *Reinforced Concrete Construction*.—The theory and design of reinforced concrete slabs, beams, columns, foundations and walls; estimating reinforced concrete work. Two recitations and one design period. Six semester-hour credits. Professor LAPHAM.

Third Section. Primarily for Graduates.

50. *Reinforced Concrete Structures*.—Theory and design; buildings, bridges, retaining walls, dams, tanks, etc. One lecture and two design periods. Six semester-hour credits.

51. *Advanced Steel Structures*.—Theory and design of suspension, cantilever, moveable and arch bridges. One lecture and two design periods. Six semester-hour credits.

53. *Railroad Engineering*.—An advanced course in railroad location construction and maintenance of way. It must be preceded by Civil Engineering course 2. Six semester-hour credits.

54. *Water and Sewage Purifications*.—An advanced course dealing with the practical application of the principles and methods involved in the purification of water supplies and in the disposal and treatment of sewage. One lecture and two design periods. Six semester-hour credits.

CLASSICAL LANGUAGES AND LITERATURES

Greek

First Section. Primarily for Undergraduates.

A. *Elementary Course*.—For students who have not taken Greek before matriculating. It aims to cover as much as possible of the entrance requirement in Greek, with the exception of Homer. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Not given in 1920-21.

B. *Homer: Iliad I-IV*.—For students who have taken course A and desire to prepare themselves to enter Course 1. *Tu., Th.*, at 9.15. Four semester-hour credits. Professor SMITH.

1. Herodotus (selections); Lysias (selected orations); Euripides (*Alcestitis*); Greek prose composition. *Mon., Wed., Fri.*, at 2.45. Six semester-hour credits. Professor SMITH.

2. Xenophon (*Memorabilia*); Thucydides (*Book VII*); Sophocles (*Antigone*). *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates

20. Plato (selections, including the *Apology* and *Crito*); Aristophanes (*Clouds* or *Frogs*). *Tu., Th.*, at 1.45. Four semester-hour credits. Not given in 1920-21.

21. Demosthenes (selected orations); Lucian (selected dialogues); Homer (selections). *Tu., Th.*, at 1.45. Four semester-hour credits. Professor SMITH.

Latin

First Section. Primarily for Undergraduates.

B. *Cicero's Orations and Vergil's Aeneid*.—For students who have satisfied the admission requirements in elementary Latin but have not done the work specified under the advanced requirements. It will include a thorough study of several of the *Orations* and of three or four books of the *Aeneid*, supplemented by private reading, and some practice in the writing of Latin. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor SMITH.

1. Livy (*Book I or XXI*); Cicero (*De Senectute*); Horace (*Odes and Epodes*); Latin prose composition. Open to students who have satisfied the admission requirements in elementary and advanced Latin, or have satisfactorily completed course B. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Professor SMITH.

2. Cicero and Pliny (selected Letters); Horace (*Satires and Epistles*); Martial (selections). *Mon., Wed., Fri.*, at 3.45. Six semester-hour credits. Professor SMITH.

Second Section. For Undergraduates and Graduates.

20. Tacitus (selections); Terence (*Phormio*); Plautus (*Captivi*). *Tu., Th.*, at 10.15. Four semester-hour credits. Professor SMITH.

21. Quintilian, *Book X*, and Horace, *Ars Poetica*; Catullus; Tibullus and Propertius. *Tu., Th.*, at 10.15. Four semester-hour credits. Not given in 1920-21.

22. *Advanced Latin Composition and Reading at Sight*.—Practice in Latin expression and style. *Th.*, at 2.45. Two semester-hour credits. Professor SMITH.

Third Section. Primarily for Graduates.

The work in this section is designed to afford discipline in the methods of philological criticism, with special reference to the interpretation of classical authors, and will include opportunities for original research on the part of competent students. In order to make the work as helpful as possible for those who expect to become teachers, the center of study each year will be one of the authors usually taught in the secondary schools. With the approval of the instructor, properly qualified Seniors may be admitted to these courses. The authors selected are as follows:

50. *Vergil, and Roman Epic Poetry*.—Two hours. Six semester-hour credits. Not given in 1920-21.

51. *Caesar, and the Roman Historians*.—Two hours. Six semester-hour credits. Professor SMITH.

52. *Cicero, and Roman Oratory*.—Two hours. Six semester-hour credits. Not given in 1919-20.

Classical Literature

First Section. Primarily for Undergraduates.

1. *General Survey of Classical Greek Literature (in English)*.—This course is designed to give an outline of the development of the different departments of literature in ancient Greece and will include selected readings, in translation, from the most important authors. Being primarily intended for students who are not taking Greek or Latin, it does not require a knowledge of those languages, and is open to all undergraduates as an elective. *Tu., Th.*, at 4. Four semester-hour credits. Professor SMITH.

2. *General Survey of Latin Literature (in English)*.—This course is similar in purpose and method to Course 1, and will alternate with it. The subject of study will be the work of the most important ancient Roman authors. *Tu., Th.*, at 4. Four semester-hour credits. Not given in 1920-21.

COMMERCE

Second Section. For Undergraduates and Graduates.

20. *Principles of Business*.—An introductory course in Business Economics and preparatory to the courses in Corporation, Finance, Transportation, Business Administration, etc. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. *Tu., Th., Sat.*, at 5.10. First half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

33. *Commercial and Maritime Law*.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with

some study of Admiralty law. Section A, *Tu., Th.*, at 11.15; Section B, *Tu., Th.*, at 6.00. Four semester-hour credits. Assistant Professor ALDEN.

36. *Commercial and Industrial Geography*.—During the first term, a general survey is made of the products, industries, and commerce of the United States and of the principal foreign countries. This survey is supplemented during the second term by a detailed study of agriculture, mining, and manufactures throughout the world, but with special reference to the United States; separate treatment of each important crop and branch of manufactures, with inquiry into the causes of the localization of industry, *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor KOCHENDERFER.

40. *Industrial and Commercial History of the United States*.—Business aspects of early American colonization; the westward movement and the public lands; the development of internal improvements and railways; tariff history and policy. Growth of industry, agriculture, commerce; labor and capital; industrial and commercial problems of today. *Mon., Wed., Fri.*, at 5.10. First half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

42. *European Industrial Evolution and World Politics*.—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion, and commercial policies, the development of industry, and transportation. *Mon., Wed., Fri.*, at 5.10. Second half-year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

45. *History of Commerce*.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. Not given in 1920-21. Assistant Professor KOCHENDERFER.

47. *Transportation*.—Development and control of transportation in the United States and Europe. Railroad construction, competition, combination, regulation, rates discrimination. Government ownership. Ocean carriage; subsidies; combination; rebates; ports and terminals; marine insurance. The U. S. Shipping Board, Railroad Administration and Emergency Fleet Corporation activities. *Tu., Th., Sat.*, at 5.10. Second half year. Three semester-hour credits. Assistant Professor KOCHENDERFER.

48. *Relation of Government to Property and Industry*.—Incorporation and regulation of companies, common law and monopolies, the anti-trust acts and their results. Public Utilities commissions and boards; regulations of security issues, etc. National incorporation and other methods of proposed

regulation examined. Reconstruction problems. The tendency toward federal control of commerce and industry. Police power regulations, etc. Not given in 1920-21.

Third Section. Primarily for Graduates.

52. *Corporation Finance and International Trade Seminar.*—For qualified advanced students and graduates. Special opportunities will be offered students desiring to acquaint themselves with the best literature and do intensive work in the preparation of theses. Hours to be arranged. Four semester-hour credits. Assistant Professor KOCHENDERFER.

Note.—Additional courses in commerce may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

ECONOMICS AND SOCIOLOGY

First Section. Primarily for Undergraduates.

1. *General Economics.*—An outline course in the principles of political economy devoted mainly to the study of production and exchange under present-day conditions, followed by a study of the problems of rent, interest, wages, and profits, and including an examination of competition, private property, and economic programs. *Mon., Wed., Fri.,* at 11.15. Six semester-hour credits. Professor KERN.

2. Parallel with Course 1. *Mon., Wed., Fri.,* at 6.00. Six semester-hour credits. Professor KERN.

Second Section. For Undergraduates and Graduates.

22. *General Sociology.*—An outline course in the principles of sociology devoted mainly to an examination of the organization of society and its ideals, with a study of the social systems, their functions, efficiencies and programs for their development. First half-year. *Tu., Th.,* at 5.10. Two semester-hour credits. Professor KERN.

23. *Modern Social Problems.*—A further analysis of modern social conditions with special studies of current questions in sociology. Prerequisite, the course in general sociology. Two hours, second half-year. *Tu., Th.,* at 5.10. Two semester-hour credits. Professor KERN.

24. *The History of Economic Thought.*—A review of the development of economics as a science from the earliest times to the present. Lectures and library readings. Two hours, first half-year. Given in alternate years. Not given in 1920-21. Professor KERN.

26. *Public Finance.*—A course in the development of budgetary and fiscal methods and principles. The history and tendencies of public expenditure under the Federal and State Governments. The theory of taxation; administration of public domains, and industries; public debts. Second half-year. *Tu., Th.,* at 6.00. Two semester-hour credits. Professor KERN.

27. *Money and Banking.*—The history and theory of money; the production of the precious metals; the theory of prices and measurement of price fluctuations; monetary systems; the relation of the Treasury system

to our money supply; the theory of credit and banking; the national bank system of the United States and the banking system of foreign nations. First half-year. *Tu., Th.*, at 6.00. Two semester-hour credits. Professor KERN.

28. *Economic Problems*.—An advanced course devoted to a more thorough study of the problems developed in the general course in economics. Research and preparation of papers to be presented to the class for discussion and criticism. Credit for course 1, General Economics, is requisite for admission to this course. Not given in 1920-21. Professor KERN.

43. *Combinations, Trusts*.—A discussion of the conditions which have favored the growth of large business combinations, the nature of their organization, their influence upon prices and productive efficiency, and the regulation and supervision of them. First half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits. Professor KERN.

44. *Labor Problems*.—A brief sketch of the labor movement in the United States and of the aims and methods of trade unions, followed by a discussion of such problems as: child labor; dangerous occupations; workingmen's insurance against sickness, old age, accidents, and unemployment; strikes and industrial conflicts; conciliation and arbitration; collective bargaining. Second half-year. *Mon., Fri.*, at 9.15. Two semester-hour credits. Professor KERN.

49. *Statistics*.—The elements of statistical method, including gathering material, collecting data, defining the problem, tabulation, diagrams, graphs, frequency tables, types including mean, median, mode, measure of dispersion, use of quartiles, average deviation, standard deviation, coefficient of variability, skewness, coefficient of correlation, probable error, price indices, ratio of variation, moving averages, and general application of statistical methods to business, economics, education, administration, sociology, government and biology. Three hours a week. Six semester-hour credits. Dr. PHILLIPS.

Third Section. Primarily for Graduates.

51. *Seminar in Sociology*.—A research course for the detailed investigation of special sociological problems, suitable for those who are engaged in original investigation or in the preparation of a thesis. Hours to be arranged. Six semester-hour credits. Professor KERN.

Note.—Additional courses in Economics may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

EDUCATION

Second Section. For Undergraduates and Graduates.

20a. *Principles of Teaching*.—A comprehensive course in the principles underlying the teaching process in its intellectual, emotional and motor phases. Special attention is given to making teaching concrete and meaningful. First half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

20b. *Principles of Education*.—A comprehensive course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Mon., Wed., Fri.*, at 9.15. Three semester-hour credits. Professor RUEDIGER.

21a. *Principles of Teaching*.—A brief course in the psychological and logical principles underlying the teaching process. First half-year. *Tu., Th.*, at 4. Two semester-hour credits. Professor RUEDIGER.

21b. *Principles of Education*.—A brief course in the bases, aims, values and essential content of education as revealed by biological, psychological, sociological and ethical principles. Second half-year. *Tu., Th.*, at 4. Two semester-hour credits. Professor RUEDIGER.

(Courses 20 and 21 should be preceded or accompanied by general psychology. Course 21 is designed especially for teachers in service.)

22. *History of Education*.—A general course in the historical development of educational theory and practice. *Sat.*, 9.15-11.15. Four semester-hour credits. Professor RUEDIGER.

24. *School Sanitation and Hygiene*.—A survey of the relations of education and health, including: The function of the school in promoting health; physical examination of children; medical inspection; physical education; diseases and defects incident to school life; the organization of instruction as related to fatigue; defective children; school-house construction and sanitation. Lectures, reference work, and reports. *Mon.*, at 5.10. Two semester-hour credits. Dr. SMALL.

25. *Secondary Education*.—After sketching the meaning and significance of secondary education as revealed by educational theory, by the secondary schools of Germany, France, and England, and by the history of secondary education in America, the course will consider in some detail the educational values, essential content, and methods of teaching the various high school branches. The problems of essential minima, of the connection of the studies with life, and of the development of initiative in the student will be emphasized. Not given in 1920-21. Four semester-hour credits. Dr. SMALL.

27. *School Administration*.—The public school system: Its development; economic and political relations; organization of administration, financial and educational; problems of administration. Lectures, assigned reading, and reports. *Wed.*, at 5.10. Dr. SMALL.

28. *Experimental Education*.—A laboratory course on processes of learning, transfer of practice, association, memory, etc. Special emphasis is laid upon practical work with the Binet and other mental tests. (Not given in 1920-21. See Philosophy 25.) Three semester-hour credits. Mrs. SYMONDS.

29. *Educational Story Telling*.—Study of type stories, adaptation of stories, practical story telling. It is the purpose of the course to develop a basis for the selection and presentation of suitable children's literature,

taking into consideration the various stages of the child's development. Lectures, required reading and reports. Not given in 1920-21. Four semester-hour credits. Mrs. ALBION.

30. *Story Telling and Children's Literature*.—Study of Epics—Iliad, Odyssey, and Kalevalla. Re-telling, possible dramatization.

Part of the course will be given to a discussion of reading and reading books with a view to supplementing with stories and units of literature. It will be the purpose to work toward a solution of the problem of developing in the child a higher appreciation of the best in literature and a real love of books through his school reading. The course will extend and supplement Course 29 but will be open to all upper class students. Tu., Th., at 5.10. Four semester-hour credits. Mrs. ALBION.

34. *Observation*.—Observation of experienced teachers, under guidance, followed by discussion. The course should normally be taken in the junior year. Two semester-hour credits. Professor RUEDIGER.

35. *Practice Teaching*.—Teaching under supervision and criticism. The course should normally be taken in the senior year. Two semester-hour credits. Professor RUEDIGER.

Third Section. Primarily for Graduates.

50. *Seminar in Education*.—Topic for 1920-21: Educational Psychology. Special attention will be given to mental and educational tests, and a paper embodying constructive scholarship will be required of each member of the class. Open to qualified undergraduates. Tu., Th., at 5.10. Six semester-hour credits. Professor RUEDIGER.

ELECTRICAL ENGINEERING

First Section. Primarily for Undergraduates.

1. *Mathematical Theory of Electricity and Magnetism*.—The fundamental units and formula of electricity and magnetism are studied so that the student may have a clear conception of the terms used in Electrical Engineering and Electric Design. This is an elementary subject leading to advanced studies, which require the understanding of certain groundwork principles. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.

2. *Direct Current Theory; Dynamo Machinery and Alternating Currents*.—During the first half of the year the elements of electricity are studied, together with the principles involved in the construction and operation of direct current dynamos and motors. After a foundation of the elements of electricity has been established, direct current machines are examined, resulting in the discussion of the different forms of armatures, of their windings, cores, commutator, the various fields, the methods of arranging the windings for different purposes; the shape and materials of magnetic circuits; and the selection of types suited for performances of specific duties.

During the second half of the year, direct current machines are further studied, illustrating the characteristic curves and efficiencies of the different

types. An introduction to the characteristics of alternating currents are taken up, together with the solutions of simple and complex circuits. Numerous problems are assigned throughout the course. Prerequisite: Physics 1. Three hours. Six semester-hour credits.

3. *Electric Design*.—A course covering the design of simple electrical apparatus. The various materials used in the construction of electrical machinery are considered from the standpoint of magnetic and mechanical properties. Much of the time is devoted to calculations and the application of the principles taught in E. E. 1. Prerequisite: E. E. 1. Two hours, second half-year. Two semester-hour credits.

4. *Electrical Laboratory*.—A laboratory course for Juniors, involving experiments on measurements and tests of direct current machines. Ample instruction is given so that the student may gain a clear knowledge of the object of the experiment and so that no important point may be overlooked. Complete and concise reports describing each experiment and showing the results of the various tests are required from all students. Two three-hour periods, first half-year. Two semester-hour credits.

5. *Electrical Laboratory*.—A continuation of E. E. 4, in which further tests on direct current machines are made, involving a study of the performance characteristics of the different types. Prerequisite: E. E. 4. Two three-hour periods, second half-year. Two semester-hour credits.

6. *Industrial Electricity*.—A practical course intended for Juniors in Civil Engineering, embracing the selection and operation of electrical machinery and appliances. Prerequisite: Physics 1. Two hours, first half-year. Two semester-hour credits.

Second Section. For Undergraduates and Graduates.

21. *Alternating Current Theory and Machinery*.—A continuation of E. E. 2, covering the principles of simple and polyphase currents, including study of alternators, synchronous converters, induction motors, synchronous motors, transformers, etc. Four hours. Eight semester-hour credits.

22. *Electrical Distribution*.—A course for Seniors in Electrical Engineering, covering the whole field of distribution of electricity for light and power. Text-book: Ferguson's Elements of Electrical Transmission. One hour. Two semester-hour credits.

23. *Electrical Applications*.—A course for Seniors in Electrical Engineering, covering the more important applications of electricity, such as electric generating stations, motive power, electro-metallurgy, etc. One hour. Two semester-hour credits.

24. *Advanced Electrical Laboratory*.—Determination of inductance, impedance, condensance, etc. Measurement of power in alternating current circuits. Regulation and efficiency tests of alternators, and transformers. Tests of induction and repulsion motors. Two three-hour periods. Four semester-hour credits.

25. *Inspection of Plants and Industrial Works*.—In the vicinity of Washington and Baltimore are a number of modern electric lighting and street

railway plants, telephone exchanges, telegraph operating rooms, Government laboratories devoted to special work, etc., which afford students of Electrical Engineering an opportunity to familiarize themselves with nearly all types of apparatus in use. The visits are followed by class discussion based on written description submitted by the students.

27. *Electric Railways*.—A course for Seniors in Electrical Engineering covering the theory and practice of modern, direct and alternating current railways. Two hours, second half-year. Two semester-hour credits.

28. *Telephones and Telegraphs*.—Special applications of electricity to telephony and telegraphy are taught, with details and construction of instruments, switchboards and line work. This includes a study of telephone transmitters and receivers, circuits, etc. Two hours, first half-year. Two semester-hour credits.

29. *Electric Illumination*.—A study of the underlying principles of scientific illumination, exterior and interior. Color combinations, control, absorption, and reflection are considered. Detail study is also made of different types of lamps, shades, arrangement of light sources, effect of walls, etc. Two hours, second half-year. Two semester-hour credits.

Third Section. Primarily for Graduates.

50. *Radio-electricity*.—A mathematical treatment of the fundamental principles with an exposition of their application to present day practice. Problems based on the methods used and the apparatus employed in the generation of oscillatory currents; the reception of signals; and other features developed in the utilization of this method of transmission will be discussed. Six semester-hour credits, as a Minor, ten semester-hour credits, as a Major. Professor COHEN.

ENGLISH

First Section. Primarily for Undergraduates.

1. *English Rhetoric*.—A study of the principles of self-expression through language with practice in composition. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor WILBUR.

2. *English Rhetoric*.—Parallel with Course 1. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor WILBUR.

NOTE.—Credit for Course 1 or 2 is requisite for admission to any other course in English except 5 and 6.

5. *Survey of English Literature*.—*Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Assistant Professor BOLWELL.

6. *Survey of English Literature*.—Parallel with Course 5. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Assistant Professor BOLWELL.

Second Section. For Undergraduates and Graduates.

22. *Shakespeare*.—The Comedies. (The Temple edition of Shakespeare is recommended.) *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor WILBUR.

24. *English Drama to 1642*.—From the beginning exclusive of Shakespeare to the closing of the theater. *Mon., Wed., Fri.*, at 9.15. Six semester-hour credits. Assistant Professor BOLWELL.

25. *English Drama from 1642*.—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor CROISSANT.

26. *Nineteenth Century English Poetry*.—*Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor CROISSANT.

27. *Humanistic Studies*.—The drama since 1890. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Not given 1920-1921. Mr. WOODMAN.

28. *Humanistic Studies*.—Nineteenth Century English poetry. Six semester-hour credits. Not given 1920-1921. *Mon., Wed., Fri.*, at 4.00. Mr. WOODMAN.

29. *American Literature*.—Lectures and collateral reading. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor CROISSANT.

30. *Types of Literature*.—Lectures on the principal types of literature with collateral reading. *Mon., Wed., Fri.*, at 4.00. Six semester-hour credits. Professor CROISSANT.

31. *Journalism*.—The fundamentals of newspaper writing. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Mr. CHACE.

33. *American Literature*.—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Not given 1920-1921. Mr. WOODMAN.

36. *The Development of the Novel*.—*Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Assistant Professor BOLWELL.

39. *Advanced Composition*.—*Tu., Th.*, at 4.00. Four semester-hour credits. Assistant Professor BOLWELL.

Third Section. Primarily for Graduates.

51. *English Seminar*.—Problems for individual research. Six semester-hour credits.

52. *Shakespeare*. All the plays.—*Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor WILBUR.

55. *Shakespeare*.—The Comedian. *Tu., Th.*, at 5.10. Four semester-hour credits. Not given in 1920-1921. Professor WILBUR.

56. *English Comedy*.—The development of English Comedy with particular attention to the rise of Romantic Comedy before Shakespeare, and sentimental comedy in the eighteenth century. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor CROISSANT.

ETHNOLOGY

Third Section. Primarily for Graduates.

50. *General Introduction to Ethnology*.—A general course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology; religious ideas; ethical ideas, and languages of primitive peoples; the beginnings of literature and art; linguistic survey of the world; ethnological survey of the world; discussion of the problems of

independent origins versus diffusion: the classical British, Graebnerian, and American schools. Lectures and collateral readings. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor MICHELSON.

51. *Outlines of North-American Ethnology*.—As full a description of the aborigines of North America as the time will permit. Lectures and assigned readings. *Mon., Wed.*, at 5.10. Four semester-hour credits. Professor MICHELSON.

52. *American Indian Languages*.—This is an introductory course, and presupposes only a moderate amount of previous linguistic training. After a brief introduction to the subject, two stocks will be studied, one in each half-year. *Two hours a week*. Four semester-hour credits. Given in 1920-1921 only if taken by at least three students. Professor MICHELSON.

53. *American Indian Languages* (second course).—This is an advanced course, and members must have taken course 52, unless they have done an equivalent elsewhere. *One hour a week*. Two semester-hour credits. Given if taken by at least three students. Professor MICHELSON.

54. *Seminar in Ethnology*.—Competent students will be assigned topics, and the results discussed at a weekly meeting. Four semester-hour credits. This course may be taken four times, counting each time. The subject-matter will be changed yearly. This will be in accordance with the needs of individual students. Professor MICHELSON.

FRENCH

See Romance Languages.

GEOLOGY AND MINERALOGY

First Section. Primarily for Undergraduates.

1. *Mineralogy*.—Crystallographic, descriptive, and determinative mineralogy. This course is designed with especial reference to minerals as rock constituents or segregated as ore deposits. It includes, therefore, a discussion of not merely the crystallographic and theoretical, but the practical side of the subjects as well. Whenever possible, it should be considered as introductory to the courses in either systematic or economic geology. Text Book: *Mineralogy, Crystallography, and Blowpipe Analysis* by Moses and Parsons. *Mon., Fri.*, at 5.10. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

2. *Geology*.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general-culture course or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text book: *Cleland's Geology*. *Mon., Fri.*, at 6.00. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

3. *General Geography*.—This course presents the principles of geography by a study of the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It consists of

two parts, first, a study of the general geographic principles, and second, a brief survey of several regions and countries for the application of these principles. It is a general culture lecture course illustrated by charts and lantern slides. No course is prerequisite. *Wed.*, at 5.10. Two semester-hour credits. Dr. RESSER.

4. *Physiographic Geography*.—A general culture, illustrated lecture course treating of the physical phases of geography, the earth's surface, atmosphere, and the distribution of life. *Wed.*, at 6.00. Two semester-hour credits. Dr. RESSER.

Second Section. For Undergraduates and Graduates.

20. *Economic Geology*.—[Geology 1 and 2 and Chemistry 1 are prerequisite for this course.] The course covers the subjects comprised under: (1) Mineral veins and metalliferous deposits, their mode of occurrence, origin, and classification; (2) the ores of iron, copper, lead, zinc, tin, silver, gold, mercury, antimony, etc.; and (3) the non-metallic minerals as the coals and hydrocarbon compounds; salts and minerals used in chemical manufactures; abrasive, refractory, and fictile materials, pigments, gems, ornamental stones, building stones, limes, cements, and mineral waters. Text-books: Lindgren's *Mineral Deposits*. *Mon., Fri.*, at 5.10. Given in alternate years. Four semester-hour credits. Professor BASSLER and Dr. RESSER.

21. *Engineering Geology*.—This course is intended primarily for civil engineers and others interested in applied geology. The work covers the general principles of geology with special emphasis upon those relating to engineering problems. The structure of rocks relative to building operations, the controlling factors of water supply and water purification and similar problems are discussed in detail. Text-book, *Engineering Geology* by Ries and Watson. *Mon., Fri.*, at 4.00. Four semester-hour credits. Dr. RESSER.

22. *Paleontology*.—A course in lecture and laboratory work on the biological and geological relations of the more important types of animals and plants, with especial reference to their value in stratigraphic geology. Six semester-hour credits. Professor BASSLER.

Third Section. Primarily for Graduates.

50. *Advanced Geology, Mineralogy and Paleontology*.—Advanced course in these subjects may be arranged for competent students. Six semester-hour credits. Professor BASSLER.

GERMANIC LANGUAGES AND LITERATURE

First Section. Primarily for Undergraduates.

1. *Elementary*.—The essentials of German grammar; translation of easy prose and poetry; beginning conversation; composition and dictation. This course is open to beginners, and the work done is equivalent to that of a two year's course in high schools and academies of good standing. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Professor SCHOENFELD.

2. Parallel with course 1. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SCHMIDT.

3. Selected tests from the best contemporary authors will be read and one or more of the German classics carefully studied. The work in grammar and composition done in elementary German will be continued, with special emphasis on syntax, word-formation, and the relationship of German and English; conversation continued. This course is equivalent to the advanced German of the admission requirements, and it is open only to students who have passed Course 1 or 2, or have satisfied the admission requirement in elementary German. *Mon., Wed., Fri.*, at 11.15. Six semester-hour credits. Professor SCHOENFELD.

4. *Parallel with Course 3.*—Contemporary German is read during the first half-year and classical during the second half-year. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Professor SCHMIDT.

6. *Scientific and Technical German.*—Designed primarily for students in the scientific and engineering courses. This course may be taken by students who have passed course 1 or 2, or who have satisfied the admission requirement in elementary German. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor SCHMIDT.

7. Advanced course in German syntax; principal difficulties of the language; idioms, synonyms; translations of English prose into German; essays; selected advanced prose; classical and historical reading and literature; advanced science. Open to students who have passed Course 3 or have satisfied the admission requirement in advanced German. *Mon., Wed., Fri.*, at 1.45. Six semester-hour credits. Professor SCHOENFELD.

8. Parallel with Course 7, with special reference to advanced students both in the historic-political and the scientific departments. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

Second Section. For Undergraduates and Graduates.

20. *Outline of the History of German Literature and Civilization from the Teutonic Origins to the Renaissance and Reformation*, with special reference to the emerging of the Germanic, Romance, and Slavic races. Anthology of the early literary monuments to the Minnesingers.—Lectures, extensive readings of the classics of the first period of bloom; advanced practice in writings, essays. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor SCHOENFELD.

21. *German Literature of the Second Classic Period at its Zenith.*—Lessing's Life and Work; Goethe's work in the Natural Sciences; Schiller's drama at its zenith; Goethe's and Winckelmann's influence on German art; with special reference to the modern drama; Goethe's Faust, as a special critical and philosophical study; classical ballad and lyric poetry; renaissance of the German volkslied in the eighteenth and nineteenth centuries. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor SCHOENFELD.

22. *The Currents of German Literature from the Beginning of the Nineteenth Century until 1870.*—Romanticism, its social and political aspects; Modern

German Drama, with special emphasis on Kleist, Grillparzer, Hebbel; Lyrics and Ballads; Uhland and Heine. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Not given in 1920-21. Professor SCHOENFELD.

Third Section. Primarily for Graduates.

50. *Seminar in the History of Middle High German Literature*, with special reference to the Epic and Lyrical Poetry in the Twelfth and Thirteenth Centuries. Introduction to scientific methods of historical and literary research in the Nibelungenlied and the Gudrunsaaga. Six semester-hour credits. Professor SCHOENFELD.

51. *Gothic*.—Introduction to comparative Indo-European Grammar. Six semester-hour credits. Professor SCHMIDT.

52. *Old High German*.—The development of the German language. Six semester-hour credits. Professor SCHMIDT.

Only one of the foregoing two courses (51, 52) is given in any one year. For notice of the Richard Heinzel Germanic Library, see page 10.

GREEK

See Classical Language.

HISTORY

First Section. Primarily for Undergraduates.

1. *Mediaeval History*.—A history of the settlement of the Germanic tribes in the territory of the Empire, with a study of feudal institutions, extending through the movements of the Crusades; texts, with assigned readings. First half-year. *Mon., Wed., Fri.*, at 2.45. Three semester-hour credits. Professor SWISHER.

2. *Mediaeval History*.—A history of the evolution of national government extending through the periods of the Renaissance and the Protestant Revolution; texts and assigned readings. Second half-year. Three semester-hour credits. *Mon., Wed., Fri.*, at 2.45. Professor SWISHER.

3. *Modern European History*.—A study of the European States under the new conditions resulting from the discovery of America and the opening of the oriental trade routes, extending through the period of the French Revolution; texts, lectures and collateral readings. First half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

4. A continuation of the preceding through the revolutionary movements of the nineteenth century, with a more detailed study of recent issues; texts, lectures and collateral readings. Second half-year. *Mon., Wed., Fri.*, at 3.45. Three semester-hour credits. Professor SWISHER.

Second Section. For Undergraduates and Graduates.

20. *American History*.—A study of the formation of the Union and the subsequent history of the United States to date, with particular attention to those factors which have tended to develop or retard the growth of American nationality; text-book, lectures, and special reports. *Tu., Th., Sat.*, at 11.15. Six semester-hour credits. Assistant Professor ALDEN.

21. *Ancient History*.—A study of the history of the ancient oriental peoples, and of Greece and Rome; with collateral readings in the translated texts of Herodotus, Plutarch, Thucydides, Tacitus and others. *Tu., Th. Sat.*, at 9.15. Six semester-hour credits. Assistant Professor KAYSER.

25. *English History*.—A general course in English history with special attention to constitutional and political development. Texts, lectures and collateral reading. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Assistant Professor CHURCHILL.

30. *American Constitutional History*.—A history of the origin and development of the Federal Constitution of 1789, with a study of its interpretation under the pressure of party issues. Lectures, text-books, and collateral readings. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor McARTHUR.

31. *Modern European History*.—A study of the French revolution and subsequent reaction extending through the Revolution of 1848. First half-year. *Tu., Th., Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

32. *Modern European History*.—From 1850 to the present time. Second half-year. *Tu., Th., Sat.*, at 6.00. Three semester-hour credits. Professor SWISHER.

33. *Current History*.—A discussion of political questions of the day, with special reference to their origin and historical significance. Lectures throughout the year. *Sat.*, at 11.15. Two semester-hour credits. Professor SWISHER.

34. *Contemporary History*.—A study of international issues during the present century with special reference to the causes and results of the recent war. *Tu., Th., Sat.*, at 5.10. Professor SWISHER and Assistant Professor McARTHUR. Not given in 1920-21.

35. *General History*.—History of Europe from the fall of the Empire of the West to the election of Charles V. *Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor SWISHER and Assistant Professor McARTHUR.

Third Section. Primarily for Graduates.

54. *Seminary Work*.—The results of individual research, conducted by graduate students upon assigned topics, will be discussed at the weekly meetings of the Seminaries of American and Modern European History.

Undergraduate students qualified by previous historical study, who desire to do intensive work with a view to gaining fuller information upon special periods or facility in the use of historical materials, may, with the approval of the instructor, be admitted to the historical seminars. Regular meeting of Seminar, *Saturday*, 12.15-2.15. Six semester-hour credits. Professor SWISHER, Assistant Professor ALDEN, and Assistant Professor CHURCHILL.

Note.—Additional courses in history may be given in 1920-21, and there may be resulting changes in class hours. Announcements of the changes will be made in September.

INTERNATIONAL LAW AND DIPLOMACY

See Political Science.

LATIN

See Classical Languages.

MATHEMATICS

First Section. Primarily for Undergraduates

3. *College Algebra; Solid Geometry; Plane Trigonometry*.—Algebra is studied during the first half-year, solid geometry during February and March, and trigonometry during April and May. Section A. *Mon. Wed., Fri.*, at 9.15. Section B. *Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor ERWIN.

4. *Algebra; Plane Trigonometry*.—Algebra is studied until April 1, and trigonometry during April and May. *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Assistant Professor HODGKINS.

6. *College Algebra; Solid Geometry; Plane Trigonometry*.—Parallel with Course 3. *Mon., Wed., Fri.*, at 6.00. Six semester-hour credits. Assistant Professor HODGKINS.

8. *College Algebra*.—*Mon., Wed., Fri.*, at 5.10. Second half-year. Three semester-hour credits. Mr. DANIEL.

9. *Trigonometry; Analytic Geometry*.—Trigonometry until Jan. 1, analytic geometry for the remainder of the session. The completion of Course 3, 4 or 6 is requisite for admission to this course. *Mon., Wed., Fri.*, at 10.15. Six semester-hour credits. Professor ERWIN.

12. *Trigonometry; Analytic Geometry*.—Parallel with Course 9. Section A. *Mon., Wed., Fri.*, at 5.10. Section B. *Mon., Wed., Fri.*, at 6.00. SECTION C. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Professor ERWIN.

Second Section. For Undergraduates and Graduates

20. *Differential and Integral Calculus; Elements of differential equations*.—*Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor HODGKINS.

21. *Differential and Integral Calculus; Elements of differential equations*.—*Tu., Th., Sat.*, at 9.15. Six semester-hour credits. Professor HODGKINS.

24. *An Elementary Treatise on the Theory of Equations; The Number-System of Algebra*.—*Tu., Th., Sat.*, at 10.15. First half-year. Three semester-hour credits. Professor ERWIN.

25. *Introduction to Infinitesimal Analysis; Hyperbolic Functions*.—*Tu., Th., Sat.*, at 10.15. Second half-year. Three semester-hour credits. Professor ERWIN.

Third Section. Primarily for Graduates

50. *Differential Equations*.—*Mon., Fri.*, at 11.15. Four semester-hour credits. Professor HODGKINS.

51. *Least Squares*.—*Tu., Th.*, at 10.15. Second half-year. Two semester-hour credits. Professor HODGKINS.

54. *Theory of Functions of a Complex Variable*.—*Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Professor ERWIN.

55. *Differential Geometry*.—*Tu., Th., Sat.*, at 5.10. Six semester-hour credits. Note.—Not more than two of the courses 24, 25, 54, and 55 will be given during any one semester. Professor ERWIN.

MECHANICAL DRAWING

First Section. Primarily for Undergraduates

1. *Mechanical Drawing*.—A general course embracing the care and use of instruments; Freehand lettering, orthographic and isometric projections; sketching of simple machine details; principle of working drawings; curve plotting. Section A. *Mon., Wed.*, 1.45 to 4.45. Section B. *Mon., Fri.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD, Mr. WILSON, Mr. CRUICKSHANKS.

2. *Machine Drawing*.—A course in working drawings especially designed for Mechanical and Electrical Engineering students. The course is largely one of empirical design of standard parts. Much stress is laid upon drafting room practice, arrangement of views and conventional forms and standards. Section A. *Mon., Wed.*, 1.45 to 4.45. Section B. *Tu., Th.*, 7.30 to 10.30 P. M. Four semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD, Mr. WILSON and Mr. CRUICKSHANKS.

4. *Mechanical Drawing*.—A course for Chemical Students. Section A. *Wed.*, 1.45 to 4.45. Section B. *Mon.*, 7.30 to 10.30 P. M. Two semester-hour credits. Assistant Professor HALSEY, Mr. WOODWARD, Mr. WILSON, Mr. CRUICKSHANKS.

8. *Descriptive Geometry*.—A course of lectures, recitations, and drafting room work on the line, point, and plane; single and double curved surfaces; tangent lines and tangent planes; intersections of lines, planes, and solids; shades, shadows and perspective. Section A. *Fri.*, 1.45 to 4.45. Section B. *Wed.*, 7.30 to 10.30 P. M. Two semester-hour credits. Professor LAPHAM and Mr. CRUICKSHANKS.

MECHANICAL ENGINEERING

First Section. Primarily for Undergraduates

1. *Mechanism*.—A course in the systematic study of the kinematics of machinery, in which the mechanical movements are reduced to a scientific analysis. Carefully developed problems and diagrams of changes of position and speed in mechanism are constantly used.

Some attention is given to the design of gear teeth, and a large part of the second half-year is devoted to the study of steam engine valve gears. Section A. *Mon., Wed., Fri.*, at 10.15. Section B. *Mon., Wed., Fri.*, at 6.00 and one two-hour drawing period per week. Eight semester-hour credits. Mr. CRUICKSHANKS.

9. *Engineering Laboratory*.—A course of practical work in the testing of engineering apparatus and materials. The work consists of tests of the strength of iron steel and cement; measurement of the flow of air and water;

tests of steam calorimeters; tests of pumping machinery; efficiency tests of steam engines; fuel value determinations; evaporative efficiency of boilers. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

10. *Engineering Laboratory*.—A completion of Course 9. Two three-hour periods, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

11. *Engineering Laboratory*.—Advanced work in the laboratory for Mechanical Engineering students. The work consists of efficiency tests of refrigerating machinery, air compressing machinery; Hirn's analysis; etc. Two three-hour periods, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Second Section. For Undergraduates and Graduates

20. *Thermodynamics, Steam Boilers, and Power Plant Accessories*.—About five months are devoted to the principles of thermodynamics, the theoretical gas and vapor cycles, and the properties of steam. The application of the theoretical vapor cycles to the real steam engine is discussed. The latter part of the course is devoted to the study of steam boilers, steam turbines, gas engines, steam power plant accessories, compression and refrigeration machinery. Three hours. Six semester-hour credits. Assistant Professor HALSEY and Mr. CRUICKSHANKS.

23. *Hydraulic Machinery*.—This course provides for an elementary study of hydraulic prime movers and pumping machinery. It includes a discussion of the theory and design of turbines and turbine blades for low and high heads, and turbine governors.

The impeller and diffusion vane case of a four stage centrifugal pump are designed and drawings made of these parts. Two hours, first half-year. Two semester-hour credits. Assistant Professor HALSEY.

24. *Methods of Manufacture*.—A study of modern manufacturing methods, machine tools, automatic machines and quantity production machinery. Two hours, second half-year. Two semester-hour credits. Assistant Professor HALSEY.

25. *Machine Design*.—This course is an application of principles already acquired to problems in design, each student being required to complete every detail of the design undertaken.

The subjects taken as design problems are:

The complete design of a punch, or the design of a steam boiler, a series of shaft-couplings, and a fly-wheel.

The constructive details and calculations are discussed and the limitations of theoretical and empirical formulas pointed out. One lecture-recitation hour and five hours in the drawing room. Four semester-hour credits. Assistant Professor HALSEY.

26. *Dynamics of Machinery*.—A course including a number of the principal applications of dynamics to moving machinery, such as governors, fly-wheels, and the effect of the reciprocating parts of gas and steam

engines. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

27. *Power Plants*.—A course of problems dealing with the operation, finance and economics of steam and gas-power plants. The course should be taken with the second semester of Mechanical Engineering, 20. Two three-hour problem periods. Two semester-hour credits. Assistant Professor HALSEY.

28. *Industrial Management*.—A course dealing with the business systems of manufacturing establishments.

The work includes a study of the organization and relations of the various departments of an industrial establishment, both in the office and in the workshop. It also discusses the conduct of accounts, the method of superintendence and of compensating labor, the determination of the cost of production, and the effect on costs of different systems of distributing indirect expenses. This course also considers the factors which enter into a determination of the depreciation of structures and the economic selection thereof. Two hours. Four semester-hour credits. Assistant Professor HALSEY.

29. *Heating and Ventilating*.—This course deals with the elementary principles underlying the subject of heating and ventilating. Furnace heating, direct and indirect steam heating, hot-water heating, and the ventilating of different types of buildings are discussed. Two hours. Second half-year. Two semester-hour credits. Assistant Professor HALSEY.

30. *Gas Engines*.—This course deals with the thermodynamics and practice of the internal combustion engine. A study is made of the principal existing types of engines. Three hours. First half-year. Three semester-hour credits. Assistant Professor HALSEY.

31. *Steam Turbines*.—This course deals with the thermodynamics and practice of the steam turbine. Nozzle and blade design is taken up and a study is made of the existing types of turbines. Two hours. Second half-year. Two semester-hour credits. Assistant Professor HALSEY.

Third Section. Primarily for Graduates.

50. *Advanced Machine Design*.—Six semester-hour credits. Assistant Professor HALSEY.

51. *Advanced Power Plant Design*.—Six semester-hour credits. Assistant Professor HALSEY.

METEOROLOGY

Third Section. Primarily for Graduates.

50. *Applied Meteorology*.—Investigation of the underlying laws governing meteorological phenomena and of the methods employed in practice for their interpretation and applications. Six semester-hour credits. Professor MOORE.

51. *Meteorological Physics*.—This course presupposes collegiate training in general physics. Particular attention will be given to the interpretation of meteorological phenomena in the light of modern physics; and those

wishing to make this their principal study will be assisted in the selection of a suitable problem for investigation and advised in the collection of data necessary to its solution. Six semester-hour credits. Professor HUMPHREYS.

NAUTICAL SCIENCE

First Section. Primarily for Undergraduates.

1. *Nautical Science*.—Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism and oceanography to navigation and seamanship; deviation of the compass in iron and steel ships; theory and use of instruments of navigation. Four semester-hour credits. Professor LITTLEHALES.

Third Section. Primarily for Graduates.

50. *Nautical Science*.—Special investigations requiring original thought in relation to avenues of progress, such as the neutralization of the effects of the ship's magnetism upon the compass, the development of the gyroscopic compass, the supplying of means to enable seamen to make astronomical observations at night or when the horizon is hidden from view. The applications of nautical astronomy to aerial navigation. Conferences, assigned readings, direction of research. Six semester-hour credits. Professor LITTLEHALES.

NAVAL ARCHITECTURE

Second Section. For Undergraduates and Graduates.

20. *Elementary Naval Architecture*.—Calculations and details of construction connected with the design of steel composite and wooden ships for the merchant, naval and special services. Students make structural, and line drawings for a given vessel. Three recitations, one drawing period. Eight semester-hour credits. Mr. JENNISON.

21. *Advanced Naval Architecture*.—Advanced design, ship construction, equipment and fittings, organization and administration of shipyards, economics of design, inspection, testing, contracts and specifications. Students' complete design, calculations and specifications for a vessel. At seasonable periods during the course, shipyards in the vicinity are visited and studied. Three recitations, one drawing period. Eight semester-hour credits. Mr. JENNISON.

24. *Elementary Marine Engineering*.—Boilers, reciprocating engines and auxiliary machinery. Fuels and thermodynamics for marine machinery, indicator diagrams and valve gears. Students make arrangement drawings for a scotch boiler and reciprocating engine. Three recitations, one drawing period. Eight semester-hour credits. Mr. JENNISON.

PHILOSOPHY AND PSYCHOLOGY

First Section. Primarily for Undergraduates.

1. *General Psychology*.—An introductory study of human nature in its emotional, intellectual, and volitional aspects. First half-year. Mon.,

Wed., Fri., at 10.15. Three semester-hour credits. Assistant Professor METCALF.

2. *General Psychology*.—Parallel with Course 1. Second half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

6. *General Psychology*.—Parallel with course 1. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

3. *Logic*.—A study of the thinking process, the principles of deductive and inductive inference, and the nature, structure, and organization of knowledge. Second half-year. *Mon., Wed., Fri.*, at 10.15. Three semester-hour credits. Professor RUEDIGER.

4. *Logic*.—Parallel with Course 3. First half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Professor RUEDIGER.

8. *Logic*.—Parallel with course 3. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Assistant Professor METCALF.

Second Section. For Undergraduates and Graduates.

20. *History of Philosophy*.—The more important epochs in the history of thought. Attention is directed to the relation of these distinctive periods to the course of the world's progress. *Tu., Th., Sat.*, at 10.15. Six semester-hour credits. Professor RICHARDSON.

21. *Ethics*.—A historical and theoretical course, with the aim of acquainting the student with the principal ethical theories. Reference is made to the application of these theories to concrete conditions. Second half-year. *Tu., Th.*, at 9.15. Two semester-hour credits. Professor RICHARDSON.

22. *Ethics*.—Parallel with Course 21. Second half-year. *Mon., Wed.*, at 6.00. Two semester-hour credits. Professor RICHARDSON.

23. *Laboratory Psychology*.—Experiments on sensation, perception, attention, memory, feeling motor processes, etc. In the second half-year the course will include a study of mental tests. Prerequisite: general psychology. Lecture, *Mon.* at 1.45, Laboratory *Wed., Fri.* 1.45-3.45. Six semester-hour credits. Assistant Professor METCALF.

24. *History of Philosophy*.—The development of philosophy, its nature and problems. This course, while introductory, is designed to be comprehensive and to give the student a general survey of the philosophic field. *Tu., Th.*, at 5.10. Four semester-hour credits. Professor RICHARDSON.

25. *Laboratory Psychology*.—Experiments on sensation, movement, effects of practice, memory and association, emotional manifestations, etc., and practical work with the Binet and other mental tests. *Sat.*, 9.15-11.15. Three semester-hour credits. Assistant Professor METCALF.

27. *Recent Philosophical Movements*.—A consideration of the various philosophical movements and tendencies of the immediate past. A critical study of the occasion and meaning of the trend of thought at the present time. Lectures and reading of recent books and periodicals. *Wed.*, at 5.10. Two semester-hour credits. Professor RICHARDSON.

28. *Philosophy of Nature*.—A critical examination of the concepts of physical science. An investigation of the significance of scientific laws and theories. Not given in 1920-21. Two semester-hour credits. Professor RICHARDSON.

(Courses 27 and 28 are given in alternate years.)

29. *Problems of Philosophy*.—A critical and constructive examination of fundamental philosophic principles and problems. Lectures, readings, and reports. First half-year. *Tu., Th.*, at 9.15. Two semester-hour credits. Professor RICHARDSON.

30. *Problems of Philosophy*.—Parallel with Course 29. First half-year. *Mon., Wed.*, at 6. Two semester-hour credits. Professor RICHARDSON.

Third Section. Primarily for Graduates.

50 *Seminar in Psychology*.—Topics of current interest in psychology will be studied by means of papers, discussions and reviews of contemporary literature. Open to qualified undergraduates. *Tu. and Th.* at 6. Six semester-hour credits. Assistant Professor METCALF.

51. *Metaphysics*.—The principles of metaphysics and the problems of philosophy. An advanced course tracing the origin and development of metaphysical questions, and a critical examination of the attempted solution of these problems. Readings, conferences and written reports. Six semester-hour credits. Professor RICHARDSON.

52. *Advanced, Experimental, Abnormal or Physiological Psychology*.—Course to be altered in different years in accordance with the needs of students. Prerequisite—courses in general psychology, and introductory experimental psychology. Conferences, reading of recent literature, and demonstrations. *Mon.*, 7.30-9.30. Six semester-hour credits. Professor FRANZ.

53. *Research in Psychology*.—Advanced students, who select psychology as major or minor for the degree of A.M., or Ph.D., will be given special topics for investigation in abnormal, physiological or experimental psychology. To be preceded or accompanied by Course 52 or its equivalent. Six semester-hour credits. Professor FRANZ.

PHYSICS

First Section. Primarily for Undergraduates.

1. *General Physics*.—A recitation and lecture course, embracing the fundamental principles of mechanics, sound, heat, light, and electricity. The lectures are illustrated by experimental demonstrations. This is a required course for Sophomores in Engineering, and may be elected by the general student who has completed Mathematics 9 or 12. Section A, *Mon., Wed., Fri.*, at 11.15; Section B, *Mon., Wed., Fri.*, at 5.10. Six semester-hour credits. Professor BROWN.

2. *Laboratory Physics*.—Laboratory methods, accurate measurement of physical quantities, and experimental study of physical laws and apparatus. Course 2 is arranged to accompany Course 1, and may not otherwise be

taken without previous preparation in Physics equivalent to Course 1. Two two-hour periods. *Tu., Th.*, 10.15, 2.45, or 7.30, or *Mon., Fri.*, 7.30. Four semester-hour credits. Professor BROWN, Mr. CHENEY and assistants.

3. *Introductory General Physics*.—Recitations, and lectures illustrated by experimental demonstrations. Similar in scope to Course 1, but less mathematical in treatment. Planned with reference to the needs of the student who desires an acquaintance with the facts and principles of Physical Science in their relation to the other sciences. Section A, *Mon., Wed., Fri.*, at 1.45, Professor BROWN; Section B, *Mon., Wed., Fri.*, at 6.00, Mr. CHENEY. Six semester-hour credits.

4. *Introductory Laboratory Physics*.—Laboratory methods, and experimental study of physical laws and apparatus, and of the use of the simpler instruments of precision measurement. Course 4 is arranged to accompany Course 3, and may not otherwise be taken without previous preparation in Physics equivalent to Course 3. *Tu., Th.*, 10.15, or *Tu., Th.*, 2.45, or *Mon., Fri.*, 7.30. Four semester-hour credits. Professor BROWN, Mr. CHENEY and Assistants.

9. *Elementary Electricity and Magnetism and its Applications*.—Recitations and lectures illustrated by experimental demonstrations. This course is designed to acquaint the non-technical student with the fundamental principles and phenomena of Electricity and Magnetism, and their applications in every day life. *Tu., Th.*, 11.15. Four semester-hour credits. Professor BROWN.

Second Section. For Undergraduates and Graduates.

21. *Heat and Thermodynamics*.—A recitation and lecture course, using Edser's *Heat* as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor BROWN.

22. *Light*.—A recitation and lecture course, using Edser's *Light* as a class text, and the more advanced texts and the literature for reference reading. Six semester-hour credits. Not given in 1920-21. Professor BROWN.

23. *Electricity and Magnetism*.—Lectures and recitations. The fundamental theory and phenomena of Electricity and Magnetism will be studied as a preparation for the study of the recent developments and theories in this field of Physical Science. Special attention will be given, towards the end of the course, to the electron theory in its relation to these modern developments. *Tu., Th., Sat.*, at 5.10. Professor BROWN.

25. *Advanced Laboratory Physics*.—This course is planned to follow Course 2, and is given for students especially interested in Physics. The experimental work may be of a general nature, or may follow special lines of study, according to the needs of the individual student. Course 25 may advantageously be taken by students in Courses 21, 22 and 23. One or more periods per week. Two or more semester-hour credits. Hours by arrangement. Assistant Professor BROWN.

Third Section. Primarily for Graduates.

57. *Statistical Mechanics and Kinetic Theory*.—This course includes Gibb's preliminary derivation of the fundamental equations of thermodynamics and a discussion of the physical properties of gases from the standpoint of general dynamics. Viscosity, diffusion, heat conduction, Brownian movements, Van der Wall's equations and molecular aggregation and dissociation. Gibb's statistical mechanics and Jean's Dynamical Theory of Gases. A lecture and seminar course. Not given in 1920-21. Mr. VAN ORSTRAND.

58. *Elasticity*.—The physical properties of solids as applied to problems in geophysics. Homogenous stress and strain. Potential energy of strained solids. Transmission of force. Propagation of earthquake waves. Love's Mathematical Theory of Elasticity. A lecture and seminar course. Not given in 1920-21. Mr. VAN ORSTRAND.

60. *Least Squares*.—Derivation of the law of errors and adjustment of observations with special reference to the determination of the constants of empirical formulas. Merrimans' Method of Least Squares. A lecture and recitation course. First half-year. *Mon.* at 5.10 One semester-hour credit. Mr. VAN ORSTRAND.

61. *Conduction of Heat*.—Fourier's analysis is applied to numerous problems in the diffusion of heat and substances. Ingersoll and Zobel's Mathematical Theory of Heat Conduction. A lecture and recitation course. Second half-year. *Mon.*, at 5.10. One semester-hour credit. Mr. VAN ORSTRAND.

POLITICAL SCIENCE*First Section. Primarily for Undergraduates.*

1. *Government of the United States*.—Besides an analysis of the structure of the federal government this course includes a study of the powers and the influence of the president, the power to make treaties, to tax, to control the railroads and the wires, and to restrict immigration. The course surveys the functions of the courts, and it shows how the Federal Trade Commission has modified the earlier policies in regard to the trusts. The problems connected with the currency, the tariff, foreign commerce, and with our colonial empire are discussed. Governmental changes in foreign countries are noted and compared with those at home. First half-year. *Mon.*, *Wed.*, *Fri.*, at 10.15. Three semester-hour credits. Professor HILL.

2. *Government of the United States*.—Parallel with Course 1. *Tu.*, *Th.*, *Sat.*, at 6.00. Professor HILL.

3. *State Government*.—The vote, public opinion, direct legislation, police power, public utilities, and executive responsibility are the chief topics. A rapid survey is made of the three types of city government in the United States and of local government in the United Kingdom and in France. Second half-year. *Mon.*, *Wed.*, *Fri.*, at 10.15. Three semester-hour credits. Professor HILL.

4. *State Government*.—Parallel with Course 3. *Tu., Th., Sat.*, at 6.00. Professor HILL.

6. *Political Parties in the United States*.—A study of the functions of political parties in our government, their history, and their organization. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1920-21.

8. *South American Republics*.—A sketch of their establishment, an analysis of the structure of their governments, and a study of how these governments reflect economic and social conditions is the object of the course. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Not given in 1920-21.

Second Section. For Undergraduates and Graduates.

21. *Comparative European Governments*.—The governments of the British Empire and of Germany. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

22. *Comparative European Governments (continued)*.—The Governments of France, Italy and Switzerland are described and some attention is given colonial administration. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Professor HILL.

23. *City Government in the United States*.—A study of the origin and structure of the mayor and council, commission, and city manager plans, home rule, the relation of the city to the state, municipal powers and officers, social and individual rights and of references to European experience. First half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1920-21.

24. *Constitutional Law*.—The interpretation of clauses in the constitutions of the United States and of the separate states affecting officers, courts, powers of Congress, police power and private rights as found in judicial decisions forms the subject matter. Second half-year. *Mon., Wed., Fri.*, at 11.15. Three semester-hour credits. Not given in 1920-21.

26. *Brazil, Its Political Evolution*.—A study of the political, social, and economical evolution of Portuguese America. The international policy of Brazil is given due consideration. The course runs through the year. Two semester-hour credits. *Mon.*, at 5.10. Professor COUTINHO.

27. *International Relations*.—The leading European treaties, especially during the last century, form the focii of the course. The purpose is to find what principles of international law and diplomacy have been evolved and applied. First half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

28. *International Relations, (continued)*.—Leading American treaties form the basis for this course. Second half-year. *Tu., Th., Sat.*, at 5.10. Three semester-hour credits. Professor HILL.

29. *Principles of International Law*.—Lectures, text, cases, and a paper. First half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Rear-Admiral Stockton and Professor HILL.

30. *Elements of Diplomacy and Diplomatic Usage*.—Lectures, text, cases, and a paper. Second half-year. *Mon., Wed., Fri.*, at 5.10. Three semester-hour credits. Rear-Admiral STOCKTON and Professor HILL.

Third Section. Primarily for Graduates.

51. *Readings in Political Science*.—This course is arranged to meet the individual needs of advanced students. The handling of material and the writing of a report are included. Hours by appointment. Two semester-hour credits each half-year. Professor HILL.

PREVENTIVE MEDICINE

Third Section. Primarily for Graduates.

50. A seminar course dealing with vital statistics; etiology and prevention of infectious diseases; causes and prevention of infant mortality; prevention of disease of occupation; protective inoculations; municipal hygiene; national and interstate preventive measures. Six semester-hour credits. Professor PRYOR.

ROMANCE LANGUAGES AND LITERATURE

French

First Section. Primarily for Undergraduates.

1. *First-Year Course*.—Fraser and Squair's Grammar. Grammar, composition, drill in pronunciation, translation and reading of modern French fiction, comedy and history. For beginners. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 9.15; Section B, *Tu., Th., Sat.*, at 9.15. Mr. PROTZMAN.

2. *First-Year Course*.—Parallel with Course 1. Fraser and Squair's French Grammar. For beginners. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 5.10, Mr. PROTZMAN. Section B, *Mon., Wed., Fri.*, at 6.00, Mr. PROTZMAN. Section C, *Tu., Th., Sat.*, at 5.10, Mr. PROTZMAN. Section D, *Tu., Th., Sat.*, at 5.10., Mr. KRAMER. Section E, *Tu., Th., Sat.*, at 6.00, Mr. CULLOM.

3. *Second-Year Course*.—Fraser and Squair's French Grammar. First text, Loti, "Pêcheur d'Islande," (Holt); other texts to be announced. Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French. Six semester-hour credits. Section A, *Mon., Wed., Fri.*, at 10.15, Professor HENNING. Section B, *Tu., Th., Sat.*, at 9.15. Professor DOYLE.

4. *Second-Year Course*.—Parallel with Course 3. Fraser and Squair's French Grammar. First text, Dumas fils, "La question d'argent" (Heath); other texts to be announced. Six semester-hour credits. Section A, *Tu., Th., Sat.*, at 5.10, Professor HENNING. Section B, *Tu., Th., Sat.*, at 6.00, Mr. KRAMER.

5. *General Survey of Modern French Literature*.—(Nineteenth, eighteenth, and seventeenth centuries.) Translation, collateral reading and reports thereon, lectures on literature. Open to students who have passed in

Course 3 or 4, or have fulfilled the admission requirements in Advanced French. Six semester-hour credits. *Mon., Wed., Fri.*, at 4.00. Professor HENNING.

6. *Parallel with French 5.*—Six semester-hour credits. *Tu., Th., Sat.*, at 6.00. Professor HENNING. (This course will be given only if elected by at least six students at the beginning of the year.)

7. *Conversation and Composition.*—Open to students who have passed in French 1 or 2, or have fulfilled the admission requirements in Elementary French, or otherwise satisfy the instructor of their fitness to take it. Four semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Mr. TEILLARD. (This course will be given only if elected by at least twelve students at the beginning of the year.)

Second Section. For Undergraduates and Graduates.

(Courses in this group are open to students who have passed in Course 5 or 6, or otherwise satisfy the instructor of their fitness to take them.)

21. *Literature of the Seventeenth Century.*—History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry, Balzac, Boileau, Corneille, Descartes, Fénelon, Mme de La Fayette, La Bruyère, La Fontaine, La Rochefoucauld, Malherbe, Molière, Racine, Saint-Evremond, Saint-Simon, Mme de Sévigné, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. Not given in 1920-21.

26. *Literature from 1750 to 1850; The Romantic Movement.*—History, criticism, travels, fiction, drama, lyric poetry. Rousseau, Bernardin de Saint-Pierre, Chénier, Balzac, Baudelaire, Chateaubriand, Gautier, Hugo, Lamartine, Michelet, Musset, Sainte-Beuve, George Sand, Mme de Staël, Thierry, Vigny, etc. Translation, collateral reading and reports thereon, lectures on literature and history. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. Not given in 1920-21.

28. *Literature from 1850 to the present.*—History, philosophy, criticism, fiction, drama, lyric poetry. Augier, Brunetière, Daudet, Dumas fils, Flaubert, France, Heredia, Hervieu, Leconte de Lisle, Lemaître, Loti, Maeterlinck, Maupassant, Mérimée, Renan, Rostand, Sully Prudhomme, Taine, Verlaine, etc. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING. (Given in 1920-21.)

Third Section. Primarily for Graduates.

50. *Old French.*—Philology and Literature. *La Chanson de Roland* and Chrétien de Troyes. Phonology and morphology of Old French, with an outline of its development through Vulgar Latin. Survey of French Literature to the end of the 13th century. Some knowledge of Latin is essential. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Assistant Professor DOYLE. (Given in 1920-21.)

55. One course in the literature of the nineteenth century will be arranged for competent graduates. Six semester-hour credits. *Mon., Wed., Fri.*, at 5.10. Professor HENNING.

Spanish

First Section. Primarily for Undergraduates.

1. *First-Year Course*.—Hills and Ford's First Spanish Course. Grammar, written and oral composition, drill in pronunciation, translation of modern Spanish fiction, comedy and history. For beginners. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 9.15. Mr. PATISON. Section B. *Mon., Wed., Fri.*, at 1.45. Mr. PROTZMAN.

2. *First-Year Course*.—Parallel with Course 1. Hills and Ford's First Spanish Course. For beginners. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 5.10. Mr. PATISON. Section B. *Mon., Wed., Fri.*, at 6.00. Mr. PATISON. Section C. *Tu., Th., Sat.*, at 5.10. Mr. PATISON. Section D. *Tu., Th., Sat.*, at 6.00. Mr. PATISON.

3. *Second-Year Course*.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. Open to students who have passed in Course 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take the course. Six semester-hour credits. *Mon., Wed., Fri.*, at 10.15. Mr. PATISON.

4. *Second-Year Course*.—Parallel with Course 3. Six semester-hour credits. Section A. *Mon., Wed., Fri.*, at 6.00. Assistant Professor DOYLE. Section B. *Tu., Th., Sat.*, at 5.10. Assistant Professor DOYLE.

6. *General Survey of Modern Spanish Literature*.—Eighteenth and nineteenth centuries; contemporary writers. Translation of representative works of drama, fiction, poetry. Lectures on the history of Spanish Literature. Outside reading and reports. Composition. Open to students who have passed in Spanish 3 or 4 or have done equivalent work. *Tu., Th., Sat.*, at 6.00. Six semester-hour credits. Assistant Professor DOYLE.

7. *Conversation and Composition*.—Open to students who have passed in Spanish 1 or 2, or have fulfilled the admission requirements in Elementary Spanish, or otherwise satisfy the instructor of their fitness to take it. *Mon., Wed., Fri.*, at 6.00. Four semester-hour credits. Mr. SALDAÑA. (This course will be given only if elected by at least twelve students at the beginning of the year.)

8. *Spanish-American Prose*.—Study of some of the leading critics, essayists, and novelists: Rodó, Hostos, Blanco-Fombona, Blest Gana, etc. Lectures and collateral reading. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. First half-year, *Mon., Fri.*, at 5.10. Two semester-hour credits. Mr. JONES. (Not given in 1920-21).

10. *Spanish-American Poetry*.—Intensive study of some of the leading poets: Olmedo, Bello, Heredia, Darío, Chocano, Valencia, Nervo, etc. Open to students who have had two years of college Spanish or who otherwise satisfy the instructor of their fitness. Second half-year. *Mon., Fri.*, at 5.10. Two semester-hour credits. Assistant Professor DOYLE. (Not given in 1920-21).

Second Section. For Undergraduates and Graduates

(Courses in this group are open to students who have passed in Course 6, or otherwise satisfy the instructor of their fitness to take them.)

22. *Spanish Literature of the Sixteenth and Seventeenth Centuries.*—The Golden Age. Cervantes, Calderón, Lope de Vega. The classic Spanish drama. Origins and rise of the novel. The ballad. Lyric poetry. References to the influence of Spanish literature upon French and English. Translation, reports on outside reading, lectures. A large amount of collateral reading will be required. *Mon., Wed., Fri.,* at 4.00. Six semester-hour credits. Assistant Professor DOYLE.

Portuguese*Primarily for Undergraduates*

1. *First-Year Course.*—Portuguese as a Romance Language. Phonetics and drill in pronunciation, dictation, grammar, translation, composition and conversation. In the second semester the classes are mainly conducted in Portuguese. For beginners. *Mon., Wed., Fri.,* at 6.00. Six semester-hour credits. Professor COUTINHO.

2. *First-Year Course.*—General survey of the history of the Literature (Portugal and Brazil). No knowledge of Portuguese is necessary. *Th., Sat.,* 5.10. Four semester-hour credits. Professor COUTINHO.

4. *Second-Year Course.*—Advanced grammar, composition, reading and translation of modern prose and poetry (Portuguese and Brazilian authors of XVIII and XIX centuries). In the second semester Portuguese authors of XVI and XVII centuries. Classes will be conducted in Portuguese. *Mon., Wed., Fri.,* at 5.10. Six semester-hour credits. Professor COUTINHO.

SEMITIC LANGUAGES AND LITERATURE*Second Section. For Graduates and Undergraduates*

20. *Elementary Hebrew.*—Hebrew vocabulary and grammar; reading, translations of simple passages and briefer exercises. This course is open to beginners. Two hours a week. Four semester-hour credits.

22. *Advanced Hebrew.*—An intensive study of Hebrew grammar and its relation to Semitics in general. Comparative Semitic philology will be pursued. Translations of longer passages of prose and poetry. Readings and selections from the Old Testament and postbiblical literature. Two hours a week. Four semester-hour credits. Professor SCHAPIRO.

Third Section. Primarily for Graduates

50. Study of the history and development of Hebrew and cognate literatures. Certain epochs of Jewish History. A review of Modern Hebrew literature with particular emphasis on productions of the Haskala period. Special topics in addition to be selected by candidates. Six semester-hour credits. Professor SCHAPIRO.

ZOOLOGY

First Section. Primarily for Undergraduates

1. *Systematic Zoology*.—Invertebrates. This includes lectures and laboratory work. The lectures cover all the branches of Invertebrates, and correlated with these lectures is the study and dissection of typical specimens in each group. This course is intended to familiarize the student with biological characters classificatory laws, and the general principles of evolution. Lecture, *Mon.*, at 5.10; laboratory, *Wed., Fri.*, 5.10–6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT and Miss MACMILLAN.

2. *Systematic Zoology*.—Vertebrates. This includes lectures and laboratory work. The lectures will cover the various branches of Vertebrates, and correlated with these is the study and dissection of typical specimens of each group. Lecture, *Mon.*, at 6.00; laboratory *Wed., Fri.*, 5.10–6.50. Additional laboratory sections at hours to be announced. Six semester-hour credits. Professor BARTSCH, Mr. SCHMITT, Mr. WETMORE and Miss MACMILLAN.

Second Section. For Undergraduates and Graduates

20. *Practical Zoology*.—A lecture course illustrated with lantern slides and demonstrations. In this course only beneficial and injurious animals of all classes will be considered, especial stress being laid upon the problems of preservation and extermination. The course aims to expound the economic side of zoology. Open to all students. One hour. Two semester hour credits. Professor BARTSCH.

23. *Ornithology*.—A systematic course embracing lectures and laboratory work. The lectures are illustrated with lantern slides, showing the home life of birds. The laboratory work consists in classifying bird skins, of which the University possesses an excellent series. Special attention is directed to the study of the birds of the District of Columbia, and frequent field excursions are made to familiarize the student with the haunts and habits of these forms. Lecture, one hour; laboratory, one two-hour period. Four semester-hour credits. Professor BARTSCH.

Laboratory courses in histology and physiology will be arranged for competent students.

Third Section. Primarily for Graduates

50. Courses may be arranged for competent graduates. Six semester-hour credits. Professor BARTSCH.

SUMMER SCHOOL

ARTS AND SCIENCES

1920

CALENDAR

June 17-30	Registration, 10-12 a. m.; 4-6 p. m.
June 21	<i>Monday</i> —Instruction begins in the three-credit courses coming at 7.45 a. m. and in all the afternoon classes.
June 28	<i>Monday</i> —Instruction begins in the two-credit courses coming in the forenoon.
July 5	<i>Monday</i> —Holiday.
July 10	<i>Saturday</i> —Classes meet at the usual hours.

THE SUMMER SCHOOL

HISTORY AND CHARACTER

The present series of Summer Schools of George Washington University was authorized by the Board of Trustees in the fall of 1915 and the first session was held in the summer of 1916. The enrollment of that session reached 166 students. The work given was all of college grade, was offered by the regular members of the faculty and other specialists of equal standing, and was done in a manner no less thorough than that of the regular session. The attendance was excellent and the spirit that pervaded both faculty and students was exceptionally wholesome and refreshing. These standards and spirit have been fully maintained in all succeeding sessions.

GROWTH

The growth of the Summer School has been steady and substantial and has amply justified its inauguration. The enrollment in the four sessions held so far has been as follows:

1916, 166	1918, 308
1917, 230	1919, 461

An inspection of these figures shows that the enrollment of the third session was nearly double that of the first, that of the fourth fully double that of the second, and that of the last nearly three times that of the first. The annual rates of increase have been respectively 35, 36, and 50 per cent. On August 1, the 1820 session had an enrollment of 780, an increase of nearly 70 per cent over 1919.

THE STUDENT BODY

The aspect of the student body that is worthy of special remark is not its size but its cosmopolitan character. Every session enrolls students from nearly every state in the Union and from many foreign countries. Many of these students, it is true, are employed in Washington, but that in no way detracts from the liberalizing influence of associating with them.

LOCATION AND OPPORTUNITIES

The asset of the Summer School, as well as of the University as a whole, that is particularly unique and unrivaled is its location in the city of Washington, the nation's capital. Here are found the headquarters of the executive, legislative, and judicial branches of the national government, all of which may be visited freely and without cost. Indeed, in order to promote research and the diffusion of knowledge the Congress of the United States has made the scientific resources of the Government accessible to students by means of a joint resolution approved April 12, 1892. This resolution makes special mention of:

1. The Library of Congress.
2. The National Museum.
3. The Patent Office.
4. The Bureau of Education.
5. The Bureau of Ethnology.
6. The Army Medical Museum.
7. The Department of Agriculture.
8. The Fish Commission.
9. The Botanic Gardens.
10. The Coast and Geodetic Survey.
11. The Geological Survey.
12. The Naval Observatory.

When to these resources of the Government are added the libraries, museums, art galleries, and historic landmarks found in the city and vicinity we have an opportunity for culture and an environment for a Summer School that approximates the ideal.

ADMISSION

No entrance examinations or certificates of work completed in secondary schools will be required for admission to the Summer School, but no student will be allowed to register for any except an elementary course until he has given evidence satisfactory to the instructor concerned or to the Director that he is qualified to pursue the course to advantage.

REGISTRATION

The Director's office, 2023 G Street N. W., will be open to receive registrations from 10-12 a. m. and 4-6 p. m., after June 17. *Registration for courses, changes in registration, and the dropping of courses must all be arranged through the Director's office.*

CREDIT

The units of credit in semester hours carried by the several courses are indicated both in the schedule of classes on pages 6-8 and in the descriptive outlines of the course on pages 8-14. A semester-hour of work covers a minimum of fifteen class or laboratory periods.

Work satisfactorily completed in the Summer School will be accredited toward a degree at George Washington University on the same basis as work completed during the regular session.

CERTIFICATES

Certificates of attendance and of work satisfactorily completed will be issued on or about September 1.

FEES

Tuition fee per semester-hour.....\$6.00*

Laboratory fees:

Chemistry S 2, S 3, and S 7, each.....	\$10.00
Chemistry S 20, \$15; S 21.....	20.00
Home Economics.....	2.00
Physics.....	5.00
Breakage deposit in chemistry, the amount paid in excess of breakage to be returned, S 2, S 3, and S 7 each.....	10.00
Courses S 20, \$15; S 21.....	20.00

PAYMENT OF FEES

All fees are payable at the Treasurer's Office, 2101 G Street by July 3. Students who find it impossible to pay their fees by that date should make special arrangements with the Director when they register. No certificate of attendance or of credit will be issued unless all fees have been paid.

Students who are compelled to withdraw before the end of the session should promptly notify the Director, who will make a fair adjustment of the fees. No separate registration fee is charged, but one dollar of the tuition fee may not be canceled. As the fiscal year of the University ends August 31, no requests for refunds can receive consideration after that date.

LIBRARY

The University Library, which is found in the first floor of the main building, will be open during the session of the Summer School.

FACULTY

WILLIAM MILLER COLLIER, A.M., LL.D.....*President of the University*
WILLIAM CARL RUEDIGER, Ph.D.....*Director of the Summer School*

LEVI RUSSELL ALDEN, A.M.....*Assistant Professor of History*
EDITH ALLEN, A.M.....*Home Economics*

*Except for those George Washington University students who paid \$5.00 per semester-hour during 1919-20.

GERTRUDE RICHARDSON BRIGHAM, Ph.D.,

Instructor in Archaeology and History of Art

THOMAS BENJAMIN BROWN, Ph.D. *Assistant Professor of Physics*

WALTER LYNN CHENEY. *Instructor in Physics*

DE WITT CLINTON CROISSANT, Ph.D. *Professor of English*

EDWARD CULLOM, A.M. *Instructor in French*

WALTER S. DEFFENBAUGH, A.M. . . *Specialist in U. S. Bureau of Education*

JOHN THOMAS ERWIN. *Professor of Mathematics*

CHARLES EDWARD HILL, Ph.D. *Professor of Political Science*

HARRY GRANT HODGKINS, A.B. *Assistant Professor of Mathematics*

HOWARD LINCOLN HODGKINS, Ph.D.

Dean of the Department of Arts and Sciences and Professor of Mathematics

CECIL KNIGHT JONES, B.Lit. *Instructor in Spanish*

ELMER LOUIS KAYSER, A.M. *Assistant Professor of History*

ROBERT RUSS KERN, A.B. *Professor of Economics*

CLARENCE CAMERON KOCHENDERFER, A.M. *Professor of Commerce*

B. H. LAMORE. *Instructor in French and Spanish*

JEANNE MARET, A. B. *French*

CHARLES ELMER RESSER, Ph.D. *Instructor in Geology*

ANNIE T. RENSHAW. *Instructor in Public Speaking*

ALVIS L. RHOTON, A.M. . . *Associate Professor of Education, Pa. State College*

EDWARD ELLIOT RICHARDSON, M.D., Ph.D. *Professor of Philosophy*

WILLIAM CARL RUEDIGER, Ph.D.

Dean of Teachers College and Professor of Educational Psychology

ALFRED F. W. SCHMIDT, A.M. *Professor of German*

OTIS DOW SWETT, S.B., LL.M. *Professor of Chemistry*

WILLIAM ALLEN WILBUR, A.M., Litt.D.,

Dean of Columbian College and Professor of English

SCHEDULE OF CLASSES

The two-semester-hour classes coming in the forenoon begin on June 28, and all the others on June 21. The two-semester-hour classes will meet five times a week for six weeks and the three-semester-hour classes five times a week for nine weeks. No classes will be held on Monday, July 5, but classes will meet on Saturday, July 10.

Courses which open with less than eight students may be withdrawn.

	A. M.		Semester-hour
	7.45-8.40		Credits
S45	History of Commerce	3	Professor Kochenderfer
S22b	History of Education	2	Professor Rhoton
SII	Composition	2	Dr. Brigham
S26	American Poetry	2	Professor Wilbur
SXXIII	Philosophy	2	Professor Richardson
	9-10		
SXXI	History of Art	2	Dr. Brigham
S21b	Education	2	Professor Ruediger
SXXX	Shakespeare	2	Professor Wilbur

S6b	Solid Geometry	2	Professor Erwin
S1	Psychology	2	Professor Richardson
S28	American Treaties	2	Professor Hill
	10-11		
S22	Sociology	2	Professor Kern
S25	High School Methods	2	Professor Rhoton
SI	Food and Nutrition	2	Miss Allen
S3	Logic	2	Professor Richardson
S1a	U. S. Government	2	Professor Hill
	11-12		
S23	Social Problems	2	Professor Kern
SXXXI	Educational Measurements	2	Professor Rhoton
SXXIV	European History	2	Professor Kayser
SXI	Household Management	2	Miss Allen
SXI	Governmental Problems	2	Professor Hill
	P. M.		
	5.10-6		
S1	Chemistry	6	Professor Swett
S42	World Politics	3	Professor Kochenderfer
S2a	Economics	3	Professor Kern
S26	Elementary Education	2	Mr. Deffenbaugh
S27	Modern Drama	3	Professor Croissant
S3	Geography	2	Dr. Resser
SIVa	German	3	Professor Schmidt
S20b	American History	3	Professor Alden
SVIII	Textiles and Sewing	2	Miss Allen
S4b	Trigonometry	2	Professor H. G. Hodgkins
S9b	Analytic Geometry	3	Professor Erwin
S3b	Physics	3	Professor Brown
S29	International Law	3	Professor Hill
S2b	French (2nd semester)	3	Mr. Lamore
S7	Conversational French	2	Miss Maret
S2a	First-year Spanish	3	Mr. Jones
	5.10-6.50		
S2	Rhetoric	4	Professor Wilbur
	6-6.50		
S20	Business	3	Professor Kochenderfer
S33	Commercial Law	2	Professor Alden
S2b	Economics	3	Professor Kern
S31	Journalism	3	Professor Croissant
SXXXIII	The Renaissance	3	Professor Kayser
SIa	Library Science	3	Professor Schmidt
S4a	College Algebra	3	Professor H. G. Hodgkins
S9a	Trigonometry	3	Professor Erwin
S3a	Physics	3	Professor Brown
S24	Government	3	Professor Hill
S2a	First-year French	3	Mr. Cullom

S2b	Spanish (2nd semester)	3	Mr. Jones
	6-7.40		
S2	Geology	4	Dr. Resser
	6-10		
S2	Chemistry	4	Professor Swett
S3	Chemistry	4	Professor Swett
S7	Chemistry	4	Professor Swett
	6.50-7.40		
S33	American Literature	3	Professor Croissant
SXIIa	Library Science	3	Professor Schmidt
S4a	Second-year French	3	Mr. Lamore
S4a	Second-year Spanish	3	Mr. Lamore

COURSES OF INSTRUCTION

The letter S, meaning Summer, is prefixed to the numbers of courses to distinguish them from the courses offered during the regular session of the University. Courses corresponding approximately to those offered during the regular session are given corresponding numbers. Courses not so corresponding are assigned Roman numerals. The letters a and b following some of the numbers signify correspondence respectively to first and to second semester work of the regular session.

ART

S XXI. *History of Art*. An introductory course in the schools of painting and sculpture, from prehistoric to modern times, including especially Egyptian, Greek, Renaissance, intermediate, English, French, and American art.

Illustrated lectures. Visits to the National Gallery, the Library of Congress, and other collections. Special study may be arranged for advanced students. At 9. Two semester-hour credits. Dr. Brigham.

CHEMISTRY

S 1. *General Chemistry*.—A series of illustrated lectures, accompanied by recitations and exercises, on theoretical, inorganic, organic, and technical chemistry. 5.10. Six semester-hour credits. Professor SWETT.

S 2. *Laboratory Practice*.—A laboratory course for the study of the principles of chemistry and the method of conducting chemical experiments. 6-10. Four semester-hour credits. Professor SWETT.

(NOTE: Courses S 1 and S 2 should be taken together. Courses S 20, *Qualitative Analysis*, six semester-hour credits, S 21, *Quantitative Analysis*, eight semester-hour credits, and S 23, *Organic Chemistry*, four semester-hour credits, will be given if demanded.)

S 3. *Synthetic Inorganic Chemistry*.—Syntheses of inorganic compounds. 6-10. Four semester-hour credits. Professor SWETT.

S 7. *Qualitative Analysis*.—A brief course intended primarily for students in engineering. 6-10. Four semester-hour credits. Professor SWETT.

COMMERCE

S 20. *Principles of Business*.—An introductory course in Business Economics. The following topics indicate the scope of the course, viz: Financing and management of business enterprises; purchasing; advertising; selling; ocean traffic and freight trade; credit; forecasting business conditions; banking; exchange; financial statements. At 6. Three semester-hour credits. Professor KOCHENDERFER.

S 33a. *Commercial Law*.—A study of the principles of the law relating to commercial transactions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers. At 6. Two semester-hour credits. Assistant Professor ALDEN.

S 42. *European Industrial Evolution and World Politics*.—A somewhat detailed study of the awakening of Japan, the problem of China, the interplay of rival imperial ambitions in the Far East, the causes of the World War, the Versailles Peace Conference and the international settlement made thereby. The introductory portion of the course will cover as intensively as time will permit agrarian problems, colonial expansion and commercial policies, the development of industry, and transportation. At 5.10. Three semester-hour credits. Professor KOCHENDERFER.

S 45. *History of Commerce*.—The rise and progress of commerce from antiquity to modern times, with particular emphasis on the effects of commerce on civilization and the relations between commercial and political development. At 7.45 a. m. Three semester-hour credits. Professor KOCHENDERFER.

ECONOMICS AND SOCIOLOGY

S 2a. *General Economics*.—This course deals with the problems of the distribution of wealth and such questions as value, prices, wages, rent, and interest. At 5.10. Three semester-hour credits. Professor KERN.

S 2b. *General Economics*.—This course deals with the organization of the industrial system and embraces an analysis of marketing, efficient methods of production, and money and banking. A discussion of such modern programs as the trust movement, government ownership, and the like is included. At 6. Three semester-hour credits. Professor KERN.

(Courses S 2a and S 2b may be taken concurrently.)

S 22. *General Sociology*.—An outline course in the principles of sociology devoted mainly to the study of the organization of society, the social systems, their functions, efficiencies, and programs for their development. At 10. Two semester-hour credits. Professor KERN.

S 23. *Modern Social Problems*.—A further analysis of modern social conditions with special studies of current questions in sociology. At 11. Two semester-hour credits. Professor KERN.

(Courses S 22 and S 23 may be taken concurrently.)

EDUCATION

S 21b. *Principles of Education*.—A study of education from the sociological standpoint: The biological and psychological bases, the problem of aim, social and personal objectives, the curriculum and course of study.

At 9. Two-semester hour credits. Professor RUEDIGER.

S 22b. *History of Education*.—A survey of the evolution of educational theory and practice in modern times. The course is professional and cultural and aims to give teachers and social workers an intelligent historical background for their work. At 7.45 a. m. Two semester-hour credits. Professor RHOTON.

S 25b. *High School Methods*.—A study of the principles involved in high school instruction, with special references to the junior high school. At 10. Two semester-hour credits. Professor RHOTON.

S 26. *Elementary School Problems*.—A practical course for elementary school teachers and supervisors. Among the problems considered are: school discipline, classroom organization, methods of teaching. Text, collateral reading, and discussion. Much use is made of the chapters on Instruction in school survey reports. At 5.10. Two semester-hour credits. Mr. DEFFENBAUGH.

S XXXI. *Educational Measurements*.—A study of the various objective tests and scales used in measuring school products with practice in their use. Their relation to teacher improvement and administrative problems is noted. At 11. Two-semester hour credits. Professor RHOTON.

ENGLISH

S 2. *English Rhetoric*.—A course covering the entire text of English Rhetoric. 5.10-6.50. Four semester-hour credits. Professor WILBUR.

S II. *English Composition*.—Practice in self-expression; correction of common errors; facility in writing; methods of research; the short story. Theme work, class discussion, and lectures. Special help for personal needs. At 7.45 a. m. Two semester-hour credits. Dr. BRIGHAM.

NOTE: The completion of courses S 2 and S II together will be accepted in full satisfaction of the curriculum requirement in Freshman English.

S XI. *Public Speaking*.—At 12. Two semester-hour credits. Mrs. RENSHAW.

S 26. *American Poetry*.—Studies of American ideals as revealed in poetry. At 7.45 a. m. Two semester-hour credits. Professor WILBUR.

S 27. *The Modern Drama*.—A study of recent American, English, and European plays. At 5.10. Three semester-hour credits. Professor CROISSANT.

S XXX. *Shakespeare*.—The philosophies. Troilus and Cressida, Measure for Measure, Pericles, Cymbeline, The Tempest, A Winter's Tale. At 9. Two semester-hour credits. Professor WILBUR.

S 31. *Journalism*.—A study of the American newspaper. Lectures, and reports on daily newspapers. At 6. Three semester-hour credits. Professor CROISSANT.

S 33. *American Literature*.—Lectures and collateral reading. At 6.50. Three semester-hour credits. Professor CROISSANT.

FRENCH

See Romance Languages

GEOLOGY

S 2. *Geology*.—Systematic geology; dynamical, structural, and stratigraphical. The course is designed to form a part of a general-culture course, or a preliminary course for those intending to make a specialty of geology. It includes lectures, recitations, laboratory and field work so far as hours will permit. Paleontology is treated as a branch of geology, having especial reference to stratigraphy and correlation. Text-book: Cleland's *Geology*. 6.00–7.40. Four semester-hour credits. Dr. RESSER.

S 3. *Principles of Geography*.—The course considers the phenomena of the earth as a whole, the interrelations of these phenomena and their influence upon human affairs. It includes a study of the general geographical principles, including those of physiography and climate, and their application. At 5.10. Two semester-hour credits. Dr. RESSER.

GERMAN

S IVa. *Conversation and Rapid Reading*.—This course is open to students who have had one year of college German or its equivalent. Three semester-hour credits. At 5.10. Professor SCHMIDT.

S IVb. *A continuation course extending beyond the regular session of the Summer School*.—Three semester-hour credits. Professor SCHMIDT.

HISTORY

S 20b. *American History*.—History of the United States from the election of Andrew Jackson. At 5. Three semester-hour credits. Assistant Professor ALDEN.

S XXIII. *The Renaissance*.—A study of the beginnings of the Modern Period with emphasis on evolution of political, social, economic, religious, intellectual, and artistic ideas and institutions during the period. At 6. Three semester-hour credits. Assistant Professor KAYSER.

S XXIV. *The European Background of American History*.—This course is designed especially for teachers and embraces a study of those factors in Old World History that brought about and shaped the development of the colonies and later affected them as a nation. At 11. Two semester-hour credits. Assistant Professor KAYSER.

HOME ECONOMICS

S I. *Food and Nutrition*.—A study of the composition of food, the principles of cookery, nutritive values of foods and menu planning. Text, lectures, and laboratory work. At 10. Two semester-hour credits. Miss ALLEN.

S VIII. *Textiles and Sewing*.—The study of fibers and fabrics, sewing and elementary design. Lectures, discussion, and laboratory practice. At 5.10. Two semester-hour credits. Miss ALLEN.

S XI. *Household Management*.—A study of division of income, factors affecting cost of living, the equipment and organization of the household. Text, lectures, and recitations. At 11. Two semester-hour credits. Miss ALLEN.

LIBRARY SCIENCE

S Ia. *Principles of Library Science*.—This course is designed to cover the general principles of library science with special emphasis on the elements of cataloguing. Three semester-hour credits. At 6. Professor SCHMIDT.

S Ib. A continuation course extending beyond the regular session of the Summer School will be offered in cataloguing, the elementary principles of classification, and shelf listing. Three semester-hour credits. Professor SCHMIDT.

S XIIa. *Advanced Cataloguing and Classification*.—This course is open to students who have had courses S Ia and S Ib, or their equivalent in practical library work. Three semester-hour credits. At 6.50. Professor SCHMIDT.

S XIIb. A continuation course extending beyond the regular session of the Summer School will be offered in special problems in library administration and science. Three semester-hour credits. Professor SCHMIDT.

MATHEMATICS

S 4a. *College Algebra*.—Bowser's College Algebra. Ratio and proportion. Chapter XVI to the end of the book. At 6. Three semester-hour credits. Assistant Professor HODGKINS.

S 4b. *Plane Trigonometry*.—Crocket's Trigonometry. All of plane trigonometry. At 5.10. Two semester-hour credits. Assistant Professor HODGKINS.

NOTE. These courses will be duplicated respectively at 9 and at 10 by Professor HODGKINS if the demand justifies.

S 6b. *Solid Geometry*.—This course corresponds to courses 3 and 6 of the regular school year. Two semester-hour credits. At 9. Professor ERWIN.

S 9a. *Plane and Spherical Trigonometry*.—This course is offered primarily for students who have had Plane Trigonometry. Three semester-hour credits. At 6. Professor ERWIN.

S 9b. *Analytic Geometry*.—This course is offered to students who have had Plane and Spherical Trigonometry. Three semester-hour credits. At 5.10. Professor ERWIN.

PHILOSOPHY AND PSYCHOLOGY

S 1. *General Psychology*.—An introductory study of the principal facts and laws of the mental life. At 9. Two semester-hour credits. Professor RICHARDSON.

S 3. *Logic*.—The principles of deductive and inductive inference. At 10. Two semester-hour credits. Professor RICHARDSON.

S XXIII. *Introduction to Philosophy*.—A course designed for beginners in philosophy, dealing with the nature of philosophy, the principles underlying it, and the principal theories that have arisen in the development of philosophic thought. This course is intended to give a general survey of the subject and to lead to more advanced work. At 7.45 a. m. Two semester-hour credits. Professor RICHARDSON.

PHYSICS

(NOTE: Physics S 3a and S 3b will be arranged so that, by special permission, they may both be taken during the same term. Either S 2a or S 2b may be taken in one summer term, but not both.)

S 2a and S 2b. *Laboratory Physics*.—The schedules of experiments are arranged to parallel courses S 3a and S 3b respectively, but different schedules may be arranged in special cases. Two semester-hour credits for either course. Hours by arrangement. Assistant Professor Brown, and Mr. Cheney.

S 3a. *Introductory General Physics*.—Mechanics, Heat, and Electrostatics. At 11. Three semester-hour credits. Assistant Professor BROWN.

S 3b. *Introductory General Physics*.—Magnetism and Electricity, Sound, and Light. At 5.10. Three semester-hour credits. Assistant Professor BROWN.

POLITICAL SCIENCE

S 1a. *Government of the United States*.—An introductory course. At 10. Two semester-hour credits. Professor HILL.

S XI. *Current Governmental Problems*.—At 11. Two semester-hour credits. Professor HILL.

S 24. *American Government*.—Advanced course. At 6. Three semester-hour credits. Professor HILL.

S 28. *Leading American Treaties*.—At 9. Two semester-hour credits. Professor HILL.

S 29. *International Law*.—At 5. Three semester-hour credits. Professor HILL.

ROMANCE LANGUAGES

French

S 2a. *First-Year Course*.—Essentials of French grammar, drill in pronunciation; oral and written composition; translation of modern French prose. For beginners. Fraser and Squair's French Grammar (Heath). At 6. Three semester-hour credits. Mr. CULLOM.

S 2b. *First-Year Course*.—(Second Semester.)—Open to students who have had one year of high school French or one semester of college French. At 5.10. Three semester-hour credits. Mr. LAMORE.

S 4a. *Second-Year Course*.—Review of French Grammar Fraser and Squair's French Grammar (Heath); oral and written composition; translation of modern French prose. First text, Sarcey's *Le Siege de Paris* (Heath); others to be announced. Open to students who have received credit for one year of college French, or its equivalent. At 6.50. Three semester-hour credits. Mr. CULLOM.

S 7. *Conversation and Composition*.—Open to students who have had one year of college French or its equivalent. At 5.10 Two semester-hour credits. Miss MARET.

Spanish.

S 2a. *First-Year Course*.—Elements of Spanish Grammar; drill in pronunciation; oral and written composition; translation of modern Spanish prose. Texts: Hills and Ford's *First Spanish Course* (Heath); *De Vitis' Spanish Reader* (Allyn & Bacon). At 5.10. Three semester-hour credits. Mr. JONES.

S 2b. *First-Year Course*.—(Second Semester.)—Open to students who have had one year of high school Spanish or one semester of college Spanish. At 6. Three semester-hour credits. Mr. JONES.

S 4a. *Second-Year Course*.—Review of grammar, composition, translation of modern Spanish prose and poetry, collateral reading. At 6.50. Three semester-hour credits. Mr. LAMORE.

THE MEDICAL SCHOOL, UNIVERSITY HOSPITAL AND DISPENSARY, AND THE TRAINING SCHOOL FOR NURSES AND THE DENTAL SCHOOL

MEDICAL SCHOOL

FACULTY

WILLIAM MILLER COLLIER, A. M., LL. D., ... *President of the University*
 WILLIAM CLINE BORDEN, M. D.,

Dean, Department of Medicine and Professor of Surgery

D KERFOOT SHUTE, A. M., M. D.,

Clinical Professor of Ophthalmology, Emeritus

HENRY CRÉCY YARROW, M. D., ... *Professor of Dermatology, Emeritus*

WILLIAM K. BUTLER, A. M., M. D., *Professor of Ophthalmology, Emeritus*

GEORGE NICHOLAS ACKER, A. M., M. D.,

Professor of Pediatrics

STERLING RUFFIN, M. D., ... *Professor of Medicine*

CHARLES WILLIAM RICHARDSON, M. D.,

Professor of Laryngology, Rhinology and Otology

JOHN WESLEY BOVÉE, M. D.

Professor of Gynecology

THOMAS ASH CLAYTOR, M. D., ... *Clinical Professor of Medicine*

AURELIUS RIVES SHANDS, M. D.,

Clinical Professor of Orthopedic Surgery

RANDOLPH BRYAN CARMICHAEL, M. D., ... *Professor of Dermatology*

FRANCIS RANDALL HAGNER, M. D., ... *Professor of Genito-urinary Surgery*

ALBERT LIVINGSTON STAVELY, M. D., ... *Clinical Professor of Gynecology*

WILLIAM ALANSON WHITE, M. D.,

Professor of Psychiatry and Clinical Professor of Neurology

SHEPHERD IVORY FRANZ, Ph. D., LL. D., M. D., ... *Professor of Physiology*

OSCAR BENWOOD HUNTER, A. M., M. D.,

Professor of Bacteriology and Pathology and Assistant Dean.

BUCKNER MAGILL RANDOLPH, M. D.,

Professor of Materia Medica and Therapeutics

LUTHER HALSEY REICHELDERFER, M. D., ... *Clinical Professor of Surgery*

WM. H. MONCRIEF, M. D., ... *Professor of Military Surgery and Sanitation*

GIDEON BROWN MILLER, S. B., M. D., ... *Clinical Professor of Gynecology*

WILLIAM SINCLAIR BOWEN, M. D., ... *Clinical Professor of Obstetrics*

OSCAR ADDISON MACK MCKIMMIE, M. D.,

Clinical Professor of Laryngology and Otology

EDWARD RHODES STITT, A. B., M. D., ... *Professor of Tropical Medicine*

FRANK LEECH, M. D., ... *Clinical Professor of Medicine*

HURON WILLIS LAWSON, S. M., M. D., ... *Professor of Obstetrics*

FRANK ADELBERT HORNADAY, S. B., M. D., ... *Professor of Dietetics*

THOMAS CHARLES MARTIN, M. D., ... *Professor of Proctology*

HARRY HYLAND KERR, M. D. *Clinical Professor of Surgery*
 WILLIAM PINKNEY REEVES, M. D. *Clinical Professor of Surgery*
 EDGAR SNOWDEN, M.D.,

Professor of Hygiene and Clinical Associate in Obstetrics

HARRY S. BERNTON, M. D., ... *Professor of Medical Jurisprudence*
 WILLIAM TORNWALL DAVIS, M. D., ... *Professor of Ophthalmology*
 JOHN K. BUTKIEWICZ, D. D. S. *Professor of Histology*
 CURTIS LEE HALL, M. D. *Professor of Orthopedics*
 NOLAN D. C. LEWIS, M. D. *Professor of Experimental Pathology*
 ARTHUR C. CHRISTIE, M. D. *Professor of Roentgenology*
 JAMES F. MITCHELL, M. D. *Clinical Professor of Surgery*
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 RALPH E. MYERS, A. B., M. A., M. D.,

Professor of Chemistry and Pharmacology

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 GLENMORE FORD CLARK, M. D., *Associate Professor of Tropical Medicine*
 HARRY HAMPTON DONNALLY, A. M., M. D. . *Clinical Professor of Pediatrics*
 TOMÁS CAJIGAS, M.D., *Associate Professor of Bacteriology and Pathology*
 JOSEPH HYRAM ROE, A. B., A. M. *Associate Professor of Chemistry*
 THOMAS A. GROOVER, M. D. *Associate Professor of Roentgenology*
 JOSEPH A. STOUT, A. B., M. A., Ph. D., . M. D.,

Associate Professor of Physiology

EDGAR PASQUAL COPELAND, M. D. *Associate in Pediatrics*
 J. LEWIS RIGGLES, M. D. *Associate in Gynecology*
 WILLIAM CABELL MOORE, M. D. *Associate in Medicine*
 CHARLES AUGUSTUS SIMPSON, M. D., . . . *Clinical Associate in Dermatology*
 COURSEN BAXTER CONKLIN, S. B., M. D. . . . *Associate in Medicine*
 ARTHUR ELWOOD PAGAN, M. D., . . . *Associate in Gynecology and Obstetrics*
 ROSS MCCLURE CHAPMAN, M. D.,

Clinical Associate in Psychiatry and Neurology

EVERETT MONROE ELLISON, A. M., M. D. . *Clinical Associate in Medicine*
 THOMAS LINVILLE, M. D. *Clinical Associate in Medicine*
 EDWIN A. MERRITT, M. D. *Associate in Roentgenology*
 ADAM KEMBLE, M. D., ... *Associate in Genito-urinary Surgery*
 EDWARD GRANT SEIBERT, M. D.,

Clinical Instructor in Laryngology and Ophthalmology

JOHN POTTS FILLERBROWN, M. D. *Clinical Instructor in Surgery*
 VIRGIL B. JACKSON, M. D. *Clinical Instructor in Gynecology*
 HOMER GIFFORD FULLER, M. D.,

Clinical Instructor in Genito-urinary Surgery

CLINE N. CHIPMAN, M. D. *Instructor in Anaesthesia*

ALBERT PERKINS TIBBETS, A. B., M. D.,

Clinical Instructor in Laryngology

HARRY SAMUEL LEWIS, M. D. *Instructor in Surgery*

ROBERT SAMUEL TRIMBLE, M. D. *Clinical Instructor in Medicine*

WILLIAM BROWNE CARR, M. D. *Instructor in Morbid Anatomy*

WILLIAM BERRY MARBURY, M. D. *Instructor in Surgery*

SAMUEL HARRISON GREENE, M. D.,

Clinical Instructor in Laryngology and Otology

WILLIAM HOUSTON LITTLEPAGE, M. D. *Clinical Instructor in Medicine*

WILLIAM DAVID TEWKESBURY, M. D. *Clinical Instructor in Medicine*

THOMAS MADDEN FOLEY, M. D. *Instructor in Orthopedic Surgery*

HOWARD FRANCIS KANE, A. B., M. D. *Instructor in Obstetrics*

CARROLL EDWARD BINGHAM, M. D. *Clinical Instructor in Medicine*

SAMUEL BOYCE POLE, M. D. *Instructor in Laryngology and Otology*

NELSON DUVAL BRECHT, M. D. *Instructor in Gynecology*

RALPH COHEN, M. D. *Instructor in Anatomy*

WILLIAM BINFORD KING. *Instructor in Anatomy*

MARY O'MALLEY, M. D., . . *Clinical Instructor in Psychiatry and Neurology*

CHARLES O. KNOTT, M. D. *Instructor in Genito-urinary Surgery*

GEORGE G. MORRIS, M. D. *Clinical Instructor in Surgery*

GEORGE H. RAWSON, M. D. *Instructor in Anatomy*

CHARLES D. EASTON, M. D. *Clinical Instructor in Pediatrics*

EARL GRIFFITH BREEDING, A. B., M. S., M. D.,

Instructor in Laryngology and Otology

CYRUS W. CULVER, M. D. *Clinical Instructor in Obstetrics*

HERBERT H. SCHOENFELD, M. D. *Clinical Instructor in Surgery*

ROBERT S. BEALE, M. D. *Clinical Instructor in Medicine*

AUGUSTUS C. GRAY, M. D. *Instructor in Surgery*

LYLE M. MASON, M. D. *Clinical Instructor in Medicine*

GEORGE N. ACKER, 2d, M. D. *Instructor in Medicine*

JOSEPH D. STOUT, Am. D. *Instructor in Physiology*

FREDERICK C. SCHREIBER, M. D. *Instructor in Laryngology and Otology*

HENRY L. HAYES, M. D. *Instructor in Neurology*

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

HOSPITAL

STERLING RUFFIN, M. D. *Physician-in-Chief*

BUCKNER MAGILL RANDOLPH, M. D. *Associate Physician*

COURSEN BAXTER CONKLIN, M. D. *Associate Physician*

WILLIAM CLINE BORDEN, M. D. *Surgeon-in-Chief*

CHARLES STANLEY WHITE, M. D. *Associate Surgeon*

DANIEL LERAY BORDEN, M. D. *Associate Surgeon*

GEORGE NICHOLAS ACKER, M. D.	<i>Pediatrician-in-Chief</i>
CUSTIS LEE HALL, M. D.	<i>Orthopedic Surgeon</i>
FRANCIS RANDALL HAGNER, M. D.	<i>Genito-Urinary Surgeon</i>
HOMER GIFFORD FULLER, M. D.	<i>Associate Genito-Urinary Surgeon</i>
ADAM KEMBLE, M. D.	<i>Associate Genito-Urinary Surgeon</i>
JOHN WESLEY BOVÉE, M. D.	<i>Gynecologist-in-Chief</i>
HURON WILLIS LAWSON, M. D.	<i>Obstetrician-in-Chief</i>
EDGAR PASQUAL COPELAND, M. D.	<i>Associate Pediatrician</i>
RANDOLPH BRYAN CARMICHAEL	<i>Dermatologist-in-Chief</i>
CHARLES AUGUSTUS SIMPSON, M. D.	<i>Associate Dermatologist</i>
CHARLES WILLIAMSON RICHARDSON, M. D.	<i>Laryngologist</i>
WILLIAM THORNWALL DAVIS, M. D.	<i>Ophthalmologist-in-Chief</i>
EDWARD GRANT SEIBERT, M. D.	<i>Associate Laryngologist and Ophthalmologist</i>
ARTHUR C. CHRISTIE, M. D.	<i>Roentgenologist-in-Chief</i>
THOMAS A. GROOVER, M. D.	<i>Roentgenologist</i>
EDWIN A. MERRITT, M. D.	<i>Roentgenologist</i>
OSCAR BENWOOD HUNTER, M. D.	<i>Pathologist</i>
TOMAS CAJIGAS, M. D.	<i>Director of the Clinical Laboratory</i>
BOYCE RICHARDSON BOLTON, M. D.	<i>Resident Physician</i>
WILLIAM MARSHALL BLAND, M. D.	<i>Interne</i>
KANG-LI, M. D.	<i>Interne</i>
HENRY W. B. STIBBS, M. D.	<i>Interne</i>
OLIVE B. SWEET, R. N.	<i>Superintendent of Nurses and Principal of the Training School for Nurses</i>
JOHN BRUCE COPPING	<i>Superintendent</i>

DISPENSARY

STERLING RUFFIN, M. D.	<i>Physician-in-Chief</i>
WILLIAM CLINE BORDEN, M. D.	<i>Surgeon-in-Chief</i>
JOHN WESLEY BOVEÉ, M. D.	<i>Gynecologist-in-Chief</i>
HURON WILLIS LAWSON, M. D.	<i>Obstetrician-in-Chief</i>
ALBERT ELWOOD PAGAN, M. D.	<i>Director of the Dispensary</i>

General Medicine

BUCKNER MAGILL RANDOLPH, M. D.	<i>Attending Physician</i>
WILLIAM CABELL MOORE, M. D.	<i>Attending Physician</i>
WILLIAM JOHNSTON MALLORY, M. D.	<i>Attending Physician</i>
ROBERT S. TRIMBLE, M. D.	<i>Attending Physician</i>
THOMAS LINVILLE, M. D.	<i>Attending Physician</i>
FRANK A. HORNADAY, M. D.	<i>Attending Physician</i>
RALPH COHEN, M. D.	<i>Attending Physician</i>
LYLE MILLAN MASON, M. D.	<i>Attending Physician</i>
GEORGE NICHOLAS ACKER, 2d, M. D.	<i>Attending Physician</i>

General Surgery

TRUMAN ABBE, M. D.....	<i>Attending Surgeon</i>
JOHN POTTS FILLERBROWN, M. D.....	<i>Attending Surgeon</i>
GEORGE HENRY RAWSON, M. D.....	<i>Attending Surgeon</i>
CYRUS W. CULVER, M. D.....	<i>Attending Surgeon</i>

Genito-Urinary Diseases

FRANCIS RANDALL HAGNER, M. D.....	<i>Genito-Urinary Surgeon</i>
ADAM KEMBLE, M. D.....	<i>Attending Surgeon</i>
CHARLES O. KNOTT, M. D.....	<i>Attending Surgeon</i>

Gynecology

DANIEL LERAY BORDEN, M. D.....	<i>Attending Gynecologist</i>
ALBERT ELWOOD PAGAN, M. D.....	<i>Attending Gynecologist</i>
HOWARD FRANCIS KANE, M. D.....	<i>Attending Gynecologist</i>

Obstetrics

HURON WILLIS LAWSON, M. D.....	<i>Obstetrician-in-Chief</i>
CYRUS W. CULVER, M. D.....	<i>Attending Obstetrician, Out-Patient Service</i>

Eye, Ear, Throat and Nose

WILLIAM T. DAVIS, M. D.....	<i>Ophthalmologist</i>
EDWARD GRANT SEIBERT, M. D.....	<i>Laryngologist and Ophthalmologist</i>
ALBERT PERKINS TIBBETS, M. D....	<i>Attending Laryngologist and Otologist</i>
SAMUEL BOYCE POLE, M. D.....	<i>Attending Laryngologist and Otologist</i>
EARL GRIFFITH BREEDING, M. D....	<i>Attending Laryngologist and Otologist</i>

Pediatrics

COURSON BAXTER CONKLIN, M. D.....	<i>Attending Pediatrician</i>
JOHN CARL ECKHART, M. D.....	<i>Attending Pediatrician</i>

Neurology

JOHN EDWARD LIND, M. D.....	<i>Attending Neurologist</i>
HENRY L. HAYES, M. D.....	<i>Attending Neurologist</i>

Roentengology

ARTHUR C. CHRISTIE, M. D.....	<i>Roentgenologist-in-Chief</i>
THOMAS A. GROOVER, M. D.....	<i>Roentgenologist</i>

Dermatology

CHARLES AUGUSTUS SIMPSON, M. D.....	<i>Attending Dermatologist</i>
GEORGE HENRY RAWSON, M. D.....	<i>Attending Dermatologist</i>

Pathology

OSCAR BENWOOD HUNTER, M. D.....*Pathologist*

Laboratory

TOMAS MOREAU CAJIGAS, M. D.....*Director*

Medical Building

WILLIAM BINFORD KING.....*Librarian*

ANNA ELIZABETH SELLNER.....*Secretary to the Dean*

ELMER SCHATZ.....*Superintendent of the Building*

HISTORICAL

The *Medical School of the George Washington University*, in chronological order of establishment, is the eleventh Medical School in the United States. The first course of lectures began in March 1825. For many years the school was known as the National Medical College; subsequently as the Department of Medicine of the Columbian University. By virtue of an act of Congress approved January 23, 1904, the Columbian University changed its name to "The George Washington University."

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the Medical School. In 1902 the old Medical School Building, in which the exercises had been held since 1867, gave place to the present large and commodious structure.

EDUCATIONAL POSITION

The Medical School of the University has for several years been a member of the Association of American Medical Colleges. It is one of the medical colleges designated as "Class A," by the American Medical Association, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

The degree of M. D. given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of post graduate work in those States which require hospital internship, will admit a graduate of our Medical School to all state examinations.

The alumni of this school are largely represented in all public services, and have been highly successful in passing the rigid examinations given by them. These facts guarantee the character of the work done by the School and insure its students and graduates all the advantages which accrue from such association and recognition.

BUILDINGS AND OTHER FACILITIES

All the buildings adjoin each other and consist of the Medical School Building, the University Hospital and the University Dispensary. They are most advantageously situated in the heart of the city within one block of both systems of car lines. As the Hospital and Dispensary adjoin the School, their clinical facilities are easily accessible to the students, and the pathological material and the material for clinical microscopy and clinical chemistry afforded by the Hospital and Dispensary are directly used in the School laboratories.

Medical School Building.—A modern, commodious, five-story structure with spacious, well-lighted, well-ventilated lecture and class rooms, laboratories, and student's rooms. It has an elevator service, and is equipped with steam heat, gas, electricity, and all modern improvements.

Laboratories.—Five in number (for anatomy, physiological and clinical chemistry, histology and embryology, physiology and pharmacology and bacteriology and pathology) are fully equipped with the most approved appliances, so that students may adequately pursue the laboratory courses and acquire the technical skill necessary in modern clinical and research methods.

Medical Library.—Open for study and consultation from 9 a.m. to 4 p.m. with a librarian in charge. It contains at present more than 2000 volumes, and provision is made to add to it as published the important new works on medicine. The standard medical periodicals are regularly received. The library is an excellent working collection, as it affords opportunity to read up adequately on the subjects presented in the courses.

Pathological Museum.—Contains a great many valuable and interesting specimens. Their number is increased by additions from time to time. These specimens are particularly valuable to the students as illustrating the changes produced by disease.

ADVANTAGE OF LOCATION FOR THE STUDY OF MEDICINE

The city of Washington now has nearly a half million inhabitants, providing abundant clinical material to the hospitals, which have an aggregate of about four thousand beds. In these hospitals clinical instruction, in addition to that in the University Hospital, is given by members of the faculty.

The *great libraries and museums* connected with the various Government institutions afford unparalleled facilities for study.

The Library of the Surgeon General's office of the United States Army is the most complete medical library in the world, and all leading medical periodicals of the world are subscribed for. All the facilities of this great library are open to *medical students*. There is also the Library of Congress, the Public Library, and the many excellent libraries of the various government offices, all of which are open to students.

The *Army Medical Museum* affords an unrivalled opportunity for studying the conditions met with in military and general surgery. It has on exhibition a collection of anatomical and pathological specimens unequalled by any other museum. Other Government museums are the Museum of Hygiene, in connection with the Medical Department of the Navy and the National Museum. The Botanic Gardens, the Smithsonian Institution, the Fish Commission, and the Department of Agriculture, all afford opportunities for study both in medicine and its collateral sciences.

On account of the many medical facilities of this city, the *Army and Navy Medical Schools* with the large *Army and Navy General Hospitals* have been located here.

Aside from the special advantages offered for the study of medicine, the cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is seat of the General Government, are broad and national, make it an ideal place for a medical student to pass his four years of study.

ADMISSION

The requirements for admission to the Medical Schools are as follows:

Candidates for matriculation must present creditable certificates of good moral character from two physicians in good standing.

The educational requirements for admission are:

A. The minimum requirements for admission are fifteen units of secondary school work and two years of college work made up as follows:

SECONDARY SCHOOL UNITS

Credit may be granted for the subjects shown in the following list and for any other subjects counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in groups I-V:

<i>Subjects</i>	<i>Units*</i>	<i>Required</i>
Group I, English—		
Literature and composition.....	3-4	3
Group II, Foreign Languages—		
Latin.....	1-4	2.†
Greek.....	1-3	
French or German.....	1-4	
Other foreign languages.....	1-4	
Group III, Mathematics—		
Elementary algebra.....	1	1
Advanced algebra.....	$\frac{1}{2}$ -1	
Plane geometry.....	1	1
Solid geometry.....	$\frac{1}{2}$	
Trigonometry.....	$\frac{1}{2}$	

<i>Subjects</i>	<i>Units*</i>	<i>Required</i>
Group IV, History—		
Ancient history.....	$\frac{1}{2}$ -1	1
Medieval and modern history.....	$\frac{1}{2}$ -1	
English history.....	$\frac{1}{2}$ -1	
American history.....	$\frac{1}{2}$ -1	
Civil government.....	$\frac{1}{2}$ -1	
Group V, Science—		
Botany.....	$\frac{1}{2}$ -1	
Zoology.....	$\frac{1}{2}$ -1	
Chemistry.....	1	
Physics.....	1	
Physiography.....	$\frac{1}{4}$ -1	
Physiology.....	$\frac{1}{2}$ -1	
Astronomy.....	$\frac{1}{2}$	
Geology.....	$\frac{1}{2}$ -1	
Group VI, Miscellaneous—		
Agriculture.....	1-2	
Bookkeeping.....	$\frac{1}{2}$ -1	
Business law.....	$\frac{1}{2}$	
Commerical geography.....	$\frac{1}{2}$ -1	
Domestic science.....	1-2	
Drawing, freehand and mechanical.....	$\frac{1}{2}$ -2	
Economics and economic history.....	$\frac{1}{2}$ -1	
Manual training.....	1-2	
Music: Appreciation and harmony.....	1-2	

* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each period to be not less than 45 minutes. A point is a subject pursued through one-half the above time. Two points may be considered the equivalent of one unit.

† Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the language specified.

COLLEGE WORK

	SEMESTER HOURS REQUIRED:
Chemistry.....	12
Physics.....	8
Biology.....	8
English.....	6
Electives.....	26

Chemistry.—Of the twelve semester hours required, eight hours must be made up of general inorganic chemistry (including four semester hours of laboratory work). Qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours may consist of additional work in general chemistry or of work in analytic or organic chemistry. After January 1, 1922, the four semester hours must consist of organic chemistry.

Physics.—The eight semester hours required must include at least two semester hours in laboratory work. It is urged that this course be preceded by a course in trigonometry.

Biology.—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology or by a course of four semester hours each in zoology and botany, but not by botany alone.

English Composition and Literature.—The usual introductory college course of six semester hours, or its equivalent, is required.

Electives.—It is recommended that the twenty-six semester hours required include a modern foreign language, comparative vertebrate anatomy, social science and psychology.

A semester hour is the credit value of one-half year's work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net; at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period; and the year to be not less than thirty-three weeks of actual work.

B. A. Bachelor's degree from an approved college or University, provided the holder of such degree presents satisfactory credentials, covering college work in chemistry, physics, biology and English as outlined in the preceding paragraphs.

An examination is given by the University in the latter part of May and September of each year to students who are deficient in whole or part of the subjects required for entrance to the Premedical Course. Candidates desiring examination must submit an application for the examination before the first of the month in which they desire to be examined.

Certificates from reputable instructors recognized by the State Board of Medical Examiners duly authorized by law or by the Superintendent of public instruction in States having no examining board may be accepted in lieu of any part of the examination.

The laws relating to the preliminary educational qualifications required of physicians differ in many of the states and candidates are advised that if they meet the premedical and other requirements of this school they will be able to comply with these legal demands of all State Examining Boards in the United States. Any standard lower than that of this institution will not meet the requirements of all the states in the Union.

SPECIAL COURSE FOR ADMISSION TO THE MEDICAL SCHOOL

Courses are offered by the University to meet the requirement in two years of college work necessary to enter the freshman class of Medicine.

First Year

	SEMESTER HOURS
Chemistry 1 and 2.....	10
Zoology 1.....	6
English 1 or 2.....	6
Electives (including preferably French or German)	8
Total.....	30

Second Year

	SEMESTER HOURS
Physics 3 and 2.....	10
Zoology 2.....	6
Chemistry 8 or 23.....	4
Electives (preferably Psychology, Mathematics and Chemistry 7).....	10
Total.....	30

Courses and Degrees offered by the University in addition to or in continuation with the course for the degree of Doctor of Medicine.

The University offers a six-year combination course, by which a student may obtain the degree of Bachelor of Science in Medicine and Doctor of Medicine and a seven-years course for the degrees of Bachelor of Arts and Doctor of Medicine.

ADMISSION TO COLUMBIAN COLLEGE

Applicants for admission to the Freshman Class in Columbian College for the combined courses leading to the degrees of Bachelor of Arts or Bachelor of Science in Medicine and Doctor of Medicine must meet the general admission requirements of fifteen units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. *The fifteen units of the entrance requirements must include English, 3 units; Mathematics, 2½ units, and one of the following languages: Latin, Greek, French, German, or Spanish 2 units.* The remainder of the requirement is elective and may be satisfied in general by any accredited secondary school subjects.

SIX YEAR COURSE FOR THE DEGREES OF BACHELOR OF SCIENCE IN MEDICINE AND DOCTOR OF MEDICINE

Regular students in this course will complete in two years the prescribed work in college, at least twelve semester hours of which must be taken in Columbian College, and the four-year course in the Medical School. On the completion of this six-year course, the student will receive at the same time the degrees of Bachelor of Science in Medicine and Doctor of Medicine. The curriculum for the combined six-year course is as follows:

a. Columbian College

Freshman Year

	SEMESTER HOURS
Chemistry 1 and 2.....	10
English 1 or 2.....	6
French or German.....	6
Mathematics.....	6
Zoology 1.....	6
	—
Total.....	34

Sophomore Year

	SEMESTER HOURS
Chemistry 7 and 8 or 23.....	8
French or German.....	6
Philosophy including Psychology.....	6
Physics 3 and 2.....	10
Zoology 2.....	6
	—
Total.....	36

b. Medical School

The four-year course for the degree of Doctor of Medicine.

SEVEN-YEAR COURSE FOR THE DEGREES OF BACHELOR OF ARTS AND DOCTOR OF MEDICINE

Regular students in this course will complete at least 90 semester-hours as prescribed in Columbian College and the first year course in the Medical School. On completion of the prescribed 90 semester hours of college work and the first year of the regular course in Medicine, the student will receive the degree of Bachelor of Arts.

The hours of prescribed work, at least 12 semester hours of which must be taken in Columbian College, are as follows:

Columbian College:

SUBJECT	SEMESTER HOURS
Zoology, 1, 2.....	12
Chemistry 1, 2, 7 and 8 or 23.....	18
English.....	6
French and German.....	18
History.....	6
Mathematics.....	6
Physics 3 and 2.....	10
Philosophy.....	6
Electives (including not to exceed 30 semester-hours in Medicine).....	38
Total.....	120

ADMISSION OF STUDENTS FROM OTHER SCHOOLS

Students who have satisfactorily attended one or more terms at any other Class A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an Arts course in other accredited colleges or universities may be admitted to advanced standing in any of the premedical courses offered by the University upon examination or upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

Students, approved by the Dean, not candidates for the degree of Doctor of Medicine, may be admitted as special students to any of the courses, provided they have the educational attainments which will enable them to pursue properly the studies they elect.

ACADEMIC YEAR

The *Academic Year* begins on the last Wednesday in September. It is divided into two half-years of four months each.

The term of study for the degree of Doctor of Medicine consists of four years of thirty-two weeks each, exclusive of vacations and holidays. The next session, the ninety-eighth, begins September 29, 1920, and ends June 8, 1921.

Students must register promptly at the beginning of the session, in order that their time of study shall count as a full year.

SYSTEM OF INSTRUCTION

Instruction is carried on by laboratory work, lectures, recitations, bedside instruction, and hospital and dispensary clinics. Particular stress

is laid upon laboratory work and clinical teaching. The clinical material of the University Hospital and Dispensary is utilized to the fullest extent, as the Hospital, the Dispensary, and the Medical School are under the same control. Additional clinics are given in other hospitals in the city to which members of the faculty are attached.

While the greatest stress is laid upon laboratory work and clinical teaching, it is recognized that the facts so obtained must be correlated and shown in their due relation to each other and to the science of medicine. To this end didactic lectures are maintained in certain branches, as they have been found necessary to give a systematic and comprehensive idea of the larger subjects in medicine. These lectures are followed by systematic and thorough quizzes, so that it may be certain that the students properly and thoroughly grasp the ideas presented by the lecturers.

The recitation and quiz work is made so complete that students do not need to employ private quizmasters.

The object sought throughout the courses is to ground thoroughly the students in the knowledge which is necessary to a practitioner of medicine. No particular attempt is made to graduate specialists in any subject. It is believed that the four years allowed for medical study are no more than sufficient time for the adequate preparation of the general practitioner.

The policy adopted by the School is to give a comprehensive, well graded and well-proportioned course—one that will adequately prepare the graduate to practice general medicine and meet the requirements of State Medical Examining Boards.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table. Major subjects are in *italics*:

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
<i>Anatomy.</i> <i>Histology.</i> <i>Embryology.</i> <i>Physiology.</i> <i>Chemistry.</i> <i>Ethics.</i>	<i>Anatomy.</i> <i>Physiological</i> <i>Chemistry.</i> <i>Pathology.</i> <i>Bacteriology.</i> <i>Materia Medica.</i> <i>Pharmacology.</i> <i>Minor Surgery.</i> <i>Physical</i> <i>Diagnosis.</i> <i>Pathological</i> <i>Physiology.</i> <i>Hygiene.</i> <i>Psychology.</i>	<i>Medicine.</i> <i>Surgery.</i> <i>Fractures and</i> <i>Dislocations.</i> <i>Clinical</i> <i>Microscopy.</i> <i>Obstetrics.</i> <i>Therapeutics.</i> <i>Roentgenology.</i> <i>Radiotherapy.</i> <i>Gynecology.</i> <i>Medical</i> <i>Jurisprudence.</i> <i>Clinical</i> <i>Chemistry.</i> <i>Dietetics.</i> <i>Tropical</i> <i>Medicine.</i> <i>Clinics.</i>	<i>Medicine.</i> <i>Surgery.</i> <i>Orthopædics</i> <i>Genito-Urinary</i> <i>Diseases.</i> <i>Operative</i> <i>Surgery.</i> <i>Military</i> <i>Surgery and</i> <i>Sanitation.</i> <i>Obstetrics.</i> <i>Gynecology.</i> <i>Laryngology</i> <i>and Otology.</i> <i>Ophthalmology</i> <i>Dermatology.</i> <i>Psychiatry.</i> <i>Pediatrics.</i> <i>Neurology.</i> <i>Ethics.</i> <i>Clinics.</i>

The *clinics* above listed comprise the medical, surgical, and other clinics given in the third and fourth years, and are as hereafter noted under the announcements of the different clinical subjects.

OUTLINE OF CURRICULUM **HOURS OF REQUIRED WORK IN EACH SUBJECT**

(On the basis of 32 actual weeks in each year)

SUBJECT	YEARS	HOURS	
		Totals*†	Didactic, Lab. and Clinical
Anatomy.....	I	440	90
Anatomy.....	II	210	30
		— 650	— 120
Histology and Embryology.....	I	267	60
		— 267	— 60
Chemistry.....	I	308	90
Chemistry.....	II	100	30
		— 408	— 120
Physiology.....	I	184	72
Physiology.....	II	68	32
		— 252	— 104
Psychology.....	II	32	32
		— 32	— 32
Bacteriology.....	II	140	30
Pathology.....	II	282	60
		— 408	— 90
Hygiene.....	II	32	32
		— 32	— 32
Dietetics.....	III	24	24
		— 24	— 24
Pharmacology.....	II	160	28
Materia Medica.....	II	48	48
		— 208	— 76
Therapeutics.....	III	64	64
Radiotherapy.....	III	8	8
		— 72	— 72
Gynecology.....	III and IV	144	48
		— 144	— 48
Obstetrics.....	III and IV	192	64
		— 192	— 64

* The number of hours represents the amount of time each student devotes to the course. In addition to the hours scheduled in the third and fourth years, each student is required to do satisfactorily considerable practical work; he is assigned to cases in hospitals, is required to assist at operations, to attend cases of labor, administer anaesthetics, attend autopsies, and to take the history of cases. Fully 120 hours annually are required to do this unscheduled work.

† Subject to variation.

SUBJECT	YEARS	HOURS (continued)	
		Totals Didactic, Lab. and Clinical	Didactic not to exceed
Medicine.....	II, III, IV		
General Medicine.....		606	200
Clinical Microscopy.....		48	16
Physical Diagnosis.....		80	40
Tropical Diseases.....		12	12
Dermatology.....		48	12
Pediatrics.....		120	18
Neurology.....		64	24
Psychiatry.....		42	12
Medical Jurisprudence.....		30	30
Clinical Chemistry.....		48	12
		— 1098	— 376
Surgery.....	II, III, IV		
General Surgery.....		540	144
Minor Surgery.....		40	20
Radiography.....		16	0
Fractures, etc.....		16	16
Military Surgery and Sanitation.....		16	16
Ophthalmology.....		64	16
Otology and Laryngology.....		60	24
Genito-Urinary Surgery.....		48	16
Orthopedics.....		48	16
		— 848	— 268
Grand totals.....		4649	1486

ANATOMY

GEORGE B. JENKINS, M. D.....	<i>Professor</i>
JOHN KONSTANTIN BUTKIEWICZ, D. D. S.....	<i>Professor of Histology</i>
WILLIAM BINFORD KING.....	<i>Instructor</i>
GEORGE HENRY RAWSON, M. D.....	<i>Instructor</i>

The instruction in the various anatomical sciences—gross human anatomy, neurology, embryology and histology—is carried on by the Division of Anatomy of which the Professor of Anatomy is the head.

This insures complete correlation of the various anatomical branches and adequate instruction in each.

During the first year the course in Gross Anatomy is given mainly by practical laboratory work.

The greater portion of the course is given during the first year, thus enabling the student to apply his early knowledge of Anatomy to his other

branches of study. Each student is required to dissect satisfactorily the lateral half of a cadaver. The dissecting room work is supplemented by demonstration, recitation and lectures illustrated by lantern slides, models, diagrams and special dissections. The systematic study of the gross and minute anatomy of the central nervous system and organs of special sense is pursued by means of lectures, recitations, and laboratory work.

In the second year a course in applied anatomy is given, in which recitations and laboratory demonstrations, and special dissections are used to familiarize the student thoroughly with the subjects.

Throughout the course every opportunity is taken to emphasize the application of anatomy to the practice of medicine in all its departments.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Anatomy.....	I	440	90
Anatomy.....	II	210	30
		— 650	— 120

In Histology instruction is given in the care and use of the microscope and in the preparation of tissues for microscopical examination, and a systematic study is made of the minute structure of the tissues and organs of the body, the laboratory work being supplemented by lectures, recitations and stereopticon demonstrations.

The course in Embryology is devoted to the study of marine material, showing maturation, impregnation, segmentation, etc., and to series of chick and mammalian embryos, special stress being laid upon the development of the foetal membranes and organs. Lectures, recitations and demonstrations with laboratory models are also given.

SUBJECT	YEAR	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Histology and Embryology.....	I	267	60
		— 267	— 60

PHYSIOLOGY

SHEPHERD IVORY FRANZ, Ph. D., LL. D., M. D.....*Professor*
 EUGENE R. WHITMORE, B. S., M. D.....*Associate Professor*
 JOSEPH D. STOUT, Ph. D., M. D.....*Associate Professor*

The course in Physiology consists of lectures, recitations, demonstrations, laboratory exercises and conferences during the first and second years. It begins in the second-half of the first year, so that the student is early in his

course in medicine introduced to the functional viewpoint. The functions of the nervous system and special senses, of the blood, of the heart and circulatory system, of glands, of the digestive system, of the respiratory mechanisms, and of reproduction are considered by means of lectures and recitations, and, as far as practicable, experimentally. In the laboratory each student performs the main experiments illustrating the facts regarding bodily function, and demonstration experiments are given to those functions which are too complex for the student to perform himself. In this laboratory work each student is required to keep records of his experiments, and each experiment is supervised and the record criticized and checked by one of the instructors before the student leaves the laboratory for the day. The class is divided into sections for oral recitations, which are supplemented by written recitations.

After the completion of the work in normal physiology, in the second year a series of laboratory exercises on the physiological action of drugs is given (see the announcement under Department of Pharmacology,) and in conjunction with that laboratory work lectures are given and recitations are held in which the functional disturbances in disease are considered. In this course special attention is given to the abnormalities of action of the heart and circulatory system, to the mechanical disturbances in respiration, and to the disturbances of the nervous system and the special senses. By this course it is intended to bring the course in normal physiology into closer relations with the succeeding courses in Pathology, Therapeutics and General Medicine.

The course in Psychology aims to give, by lectures and conferences, the main facts regarding mental processes, and to develop the psychological aspect of medicine, upon which so much emphasis has recently been laid. The course is primarily medical in its treatment and thus deals with pathological as well as normal mental phenomena, but without encroaching upon the courses in Psychiatry and Neurology.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Physiology	I	184	72
Physiology	II	68	32
		— 252	— 104
Psychology		32	32

CHEMISTRY

RALPH EMERSON MYERS, A. B., A. M., M. D.....*Professor*
 JOSEPH HYRAM ROE, A. B., A. M.....*Associate Professor*

Inorganic Chemistry.—A series of recitations, in which the subject is reviewed and its relation to medicine emphasized.

Organic Chemistry.—A series of lectures, laboratory work, and recitations on the acyclic and cyclic hydrocarbons and their derivatives, with special reference to physiology and medicine.

Detection of Common Poisons.—A didactic and laboratory course on the identification of poisons.

Physiological Chemistry.—A series of lectures, recitations and laboratory work on food stuffs, including carbohydrates, proteins and fats, their properties, reactions, digestion, absorption and assimilation. Careful consideration is given to enzymes and to the various secretions of the body.

Clinical Chemistry.—A thorough course is given in which material from the University Hospital and Dispensary is utilized to show the practical application of this subject in medicine.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Chemistry.....			
Inorganic Review	I	258	90
Organic			
Detection of Common Poisons			
Physiological.....	I, II	150	30
		— 408	— 120
*Clinical Chemistry.....	III	48	12

* See also announcement under Medicine.

PHARMACOLOGY

RALPH EMERSON MYERS, A. B., M. A., M. D.....*Professor*
.....*Assistant Professor*

1. *Pharmacology.*—Materia Medica and Prescription Writing required of all second year medical students, last 8 weeks of the first semester.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations. Enough pharmacy is introduced to teach the student to use the Pharmacopoea intelligently, and to emphasize the importance of the term "Official Preparation." Much interesting didactic material is furnished for the class conferences, at which time the type preparations made by the class are demonstrated and discussed.

2. *Systematic Pharmacology*.—Required of all second year medical students. Five hours a week during the second semester.

The subject-matter of this course is essentially that outlined in Cushny's Text-Book of Pharmacology, supplemented by a consideration of those newer and "non-official" remedies that have acquired pharmacological interest. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. Experience has demonstrated that this develops originality in prescription writing based upon a knowledge of pharmacology. The subject of incompatibilities is taught by compounding type prescriptions compiled from the medical literature and by discussion in class conferences.

The last part of the course introduces the student to the method of applying his previous chemical and physiological information by testing for drugs and their derivatives excreted from the body. This lays a foundation for the more technical information relating to the absorption, excretion, and action of drugs in the tissues.

3. *Pharmacodynamics*.—Second semester. Required of all second year medical students. Prerequisite pharmacology 1.

This course runs parallel with pharmacology 2. Being a laboratory course, it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

The laboratory practice begins with simple experiments on absorption, excretion and local action of drugs, followed by experiments upon frogs, turtles and lower mammals. As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced.

Special emphasis is laid upon the student's ability to secure results and to record and analyze his curves and records. Special conferences are held periodically in which the results and the records are discussed and the work of the class as a whole is properly coördinated.

4. *Special Pharmacodynamics and Toxicology*.—(Credit according to work done.)

This course is open to advance students and special workers who desire training in toxicology and methods of biological assay.

5. *Research in Pharmacology and Chemo-Therapy*.—The Cooper Research Laboratory of Pharmacology is an endowed laboratory and offers excellent opportunities for advanced scientific work in pharmacology and chemo-therapy. This laboratory is equipped with high grade apparatus and chemicals for quantitative work. It provides an excellent shop equipment for the building of special apparatus frequently demanded in problems requiring an original technic. Equally important are the excellent research

reference library facilities. Washington offers a cosmopolitan clinic and for problems of chemo-therapy the University Hospital and Dispensary are in the adjoining building and are at the laboratory's disposal.

MATERIA MEDICA AND THERAPEUTICS

BUCKNER MAGILL RANDOLPH, M. D. *Professor*

(1) Systematic lectures and recitations on the physiological action of drugs and other remedial agents, their therapeutic use in disease; their modes of administration; and a review of their toxicology. (2) A review of the principles of prescription writing, with practical exercises by students in writing prescriptions in the metric system. (3) Lectures in applied therapeutics, devoted to the study of the application of remedial measures to morbid physiological and pathological states, as they occur clinically.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Pharmacology.....	II	170	28
Materia Medica and Toxicology.....	II	48	48
Therapeutics.....	III	64	64
Radiotherapy.....	III	8	8
		— 290	— 148

DIETETICS

FRANK ADELBERT HORNADAY, S. B., M. D. *Professor*

A course of lectures on the physiology of nutrition and principles of feeding in health and disease.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Dietetics.....	III	24	24

BACTERIOLOGY AND PATHOLOGY

OSCAR BENWOOD HUNTER, A. M., M. D. *Professor*

NOLAN VON CHARPENTIER LEWIS, M. D.,

Professor of Experimental Pathology

..... *Associate Professor of Pathology*

TOMÁS CAJIGAS, M. D. *Associate Professor of Bacteriology*

WILLIAM BROWN CARR, M. D. *Instructor in Morbid Anatomy*

BACTERIOLOGY

The didactic portion of the course in Bacteriology consists of a series of about thirty formal lectures in which the entire field of bacteriology in-

cluding immunology in its application to human medicine and welfare is considered. The first few lectures are necessarily limited to the consideration of the general principles of the science after which the pathogenic microorganisms are discussed in a systematic sequence, with the theories of immunity treated of in appropriate places.

In the laboratory portion of the course which occupies about three-quarters of the total time devoted to the subject the students first prepare all the standard culture media and learn the general principles of bacteriologic technic from the study of about a dozen typical, widely different non-pathogenic organisms. Subsequently twenty-five to thirty pathogenic bacteria are carefully examined by microscopic, cultural and serologic methods. The students prepare as far as practicable such special media as are needed for this latter work. In addition to this systematic examination of characteristic organisms the students test the efficiency of the commonly employed germicides, prepare a vaccine, and in groups prepare agglutinating, hemolytic and other immune serums and use these as commonly employed in diagnosis. In connection with the preparation of culture media the principles of sterilization are covered. In the microscopic examination of bacteria the students are trained in the use of the high powers of the microscope, in the use of dark ground illumination, and are taught to make microscopic measurements.

During the course where occasion arises in connection with special cases of interest in the University Hospital or elsewhere unusual infections or rarely occurring processes of diagnosis, etc., are demonstrated. The routine bacteriologic and serologic work of the Hospital is done in the same laboratory where the students are working so that they have ample opportunity to observe the practical application of bacteriology.

PATHOLOGY

In Pathology, the division of the course into laboratory and lecture teaching is followed, the amount of time devoted to each being about twice the corresponding time in Bacteriology. General pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., is first considered. This is followed by the special pathology of the organs and of the specific diseases.

The laboratory work consists primarily in the histologic study of diseased tissues and neoplasms. About two hundred sections are stained and mounted by each student and become his individual property. These sections are carefully examined and studied by the student who makes colored pencil drawings of the characteristic lesions shown by them.

The microscopic study is supplemented by that of post-mortem material and that from the operating room and by specimens in the museum thus affording a knowledge of gross morbid anatomy.

Varying in number with the extent of material afforded, students have the opportunity of training in the details of post-mortem technic from the autopsy through the preparation, sectioning, and staining of the tissues to be studied, to their final diagnosis and report.

CLINICAL MICROSCOPY

In the course in Clinical Microscopy the student is trained in the counting of the red and the white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial parasites, and such other parasites of the blood as opportunity affords, in the estimation of the coagulation time of the blood, etc., in the microscopic study of the sediments in normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of animal parasites and their eggs, in the microscopic examination of sputum, of spinal fluids, pleural exudates, etc., as material and opportunities afford. The significance and value of these findings as applied to pathology and diagnosis are considered.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Bacteriology.....	II	140	30
Pathology.....	II	282	60
		— 422	— 90
Clinical Microscopy.....		48	16

MEDICINE

STERLING RUFFIN, M. D.....*Professor*
 GEORGE NICHOLAS ACKER, A. M., M. D.....*Professor of Pediatrics*
 THOMAS ASH CLAYTOR, M. D.....*Clinical Professor of Medicine*
 RANDOLPH BRYAN CARMICHAEL, M. D.....*Professor of Dermatology*
 WILLIAM ALANSON WHITE, M. D.,

Professor of Psychiatry and Clinical Professor of Neurology

EDWARD RHODES STITT, A. B., M. D.....*Professor of Tropical Medicine*
 GLENMORE F. CLARK, M. D....*Associate Professor of Tropical Medicine*
 EDGAR SNOWDEN, M. D.....*Professor of Hygiene*
 HARRY S. BERNTON, M. D.....*Professor of Medical Jurisprudence*
 FRANK LEECH, M. D.....*Clinical Professor of Medicine*
 FRANK ADELBERT HORNADAY, S. B., M. D.,

Professor of Dietetics and Associate in Medicine

HARRY HAMPTON DONNALLY, A. M., M. D.,

Clinical Professor of Pediatrics

EDGAR PASQUAL COPELAND, M. D.....*Associate in Pediatrics*
 WILLIAM CABELL MOORE, M. D.....*Associate in Medicine*

CHARLES AUGUSTUS SIMPSON, M. D.....	<i>Associate in Dermatology</i>
COURSEN BAXTER CONKLIN, S. B., M. D.....	<i>Associate in Medicine</i>
ROSS M. CHAPMAN.....	<i>Clinical Associate in Psychiatry</i>
WILLIAM JOHNSTON MALLORY, M. D.....	<i>Associate in Medicine</i>
THOMAS LINVILLE, M. D.....	<i>Clinical Associate in Medicine</i>
EVERETT MUNROE ELLISON, A. M., M. D.....	<i>Clinical Associate</i>
ROBERT SAMUEL TRIMBLE, M. D.....	<i>Clinical Instructor in Medicine</i>
WILLIAM HOUSTON LITTLEPAGE, M. D...	<i>Clinical Instructor in Medicine</i>
JAMES CHARLES HASSALL, M. D.,	
	<i>Clinical Associate in Psychiatry and Clinical Neurology</i>
MARY O'MALLEY, M. D.,..	<i>Clinical Instructor in Psychiatry and Neurology</i>
WILLIAM DAVID TEWKSBURY, M. D.,..	<i>Clinical Instructor in Medicine</i>
CARROL E. BINGMAN, M. D.....	<i>Clinical Instructor in Medicine</i>
ROBERT S. BEALE, M. D.....	<i>Clinical Instructor in Medicine</i>
LYLE M. MUSON, M. D.....	<i>Clinical Instructor in Medicine</i>
GEORGE N. ACKER 2nd., M. D.....	<i>Instructor in Medicine</i>

Instruction in Medicine is so given as to conform to the most modern requirements. The work begins in the second year with a complete course in history-taking and normal physical diagnosis, and is continued through the third and fourth years. During the later two years the course consists of lectures, recitations, a study of case histories, clinical conferences, and practical work in the clinical laboratory and at the bedside. The work is made as practical as possible.

The third-year class is divided into small sections, which are required to attend the daily dispensary service in the University Hospital, where they are drilled especially in history-taking and in the technique of practical physical diagnosis.

The fourth-year class is similarly divided into small sections, and these are required to attend the daily ward clinics in the University Hospital and ward clinics in the Garfield Memorial Hospital, Children's Hospital, and the Tuberculosis Hospital of the District of Columbia.

The system of ward clinics to small groups of students affords a most effective method of studying disease and gives to every student an opportunity of following a large assortment of diseases from their commencement to the termination of their illness; in no other way is it possible to get a more practical knowledge of the methods of studying disease or a more intimate knowledge of disease itself.

Every patient in the medical wards of the University Hospital is assigned to one, or at most two, senior students, who are required (under proper supervision) to take the history, to make and record a complete physical examination, to determine after due study the nature of the illness (diagnosis), to outline a plan of treatment, and to make daily notes of the progress of the case.

A weekly amphitheatre clinic is given to third-year students in a body and a similar clinic to the fourth-year class. A series of special neurological clinics is provided for the senior class at the Saint Elizabeth's Hospital, where there is a great wealth of material (see announcement of Psychiatry and Clinical Neurology.)

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab. Clinical	Didactic not to exceed
Medicine.....	II, III, IV		
General Medicine.....		606	200
*Clinical Microscopy.....		48	16
†Clinical Chemistry.....		48	12
Physical Diagnosis.....		80	40
Tropical Diseases.....		12	12
Dermatology.....		48	12
Pediatrics.....		120	18
Neurology.....		64	24
Psychiatry.....		42	12
Medical Jurisprudence.....		30	30
		—1098	— 376

* See also announcement under Bacteriology and Pathology.

† See also announcement under Chemistry.

TROPICAL MEDICINE

EDWARD RHODES STITT, A. B., M. D., ... *Rear Admiral U. S. N., Professor*
GLENMORE FORD CLARK, M. D.,

Lieutenant Commander, Medical Corps, U. S. N., Associate Professor.

The course in tropical diseases is similar to that given in the Army and Navy Medical Schools, and consists of didactic lectures, quizzes, and laboratory instruction, with particular reference to the parasitic, protozoal diseases common in the tropics and in the southern part of the United States.

PSYCHIATRY AND CLINICAL NEUROLOGY

WILLIAM ALANSON WHITE, M. D., Superintendent of

Saint Elizabeth's Hospital.....*Professor*
ROSS McCLURE CHAPMAN, M. D.....*Clinical Associate*
MARY O'MALLEY, M. D.....*Instructor*
JOSEPH D. STOUT, Ph. D.....*Instructor*

A series of lectures and clinics is given upon the subject of the psychoses in its various forms.

These clinics are given at Saint Elizabeth's Hospital which, with its more than three thousand beds, affords one of the largest clinics in this country.

Students are taught in the same classes with students of the Army and Navy Medical Schools.

PEDIATRICS

GEORGE NICHOLAS ACKER, A. M., M. D.....	<i>Professor</i>
HARRY HAMPTON DONNALLY, M. D.....	<i>Clinical Professor</i>
EDGAR PASQUAL COPELAND, M. D.....	<i>Associate</i>
CHARLES WHEATLEY, M. D.....	<i>Clinical Associate</i>

Didactic and clinical lectures, bedside and dispensary clinics are given upon diseases of infants and children and the importance of the proper management of these diseases by diet and hygiene.

The children's clinic, at the Children's Hospital, affords ample material for practical teaching in this branch.

PHYSICAL DIAGNOSIS

WILLIAM CABELL MOORE, M. D.....	<i>Associate</i>
THOMAS LINVILLE, M. D.....	<i>Clinical Associate</i>
FRANK ADELBERT HORNADAY, S. B., M. D.....	<i>Instructor</i>

Instruction is given in the principles and methods of physical examination by means of recitations, section work or normal subjects, and with clinical cases which typically represent diseased conditions.

DERMATOLOGY

RANDOLPH BRYAN CARMICHAEL, M. D.....	<i>Professor</i>
CHARLES AUGUSTUS SIMPSON, M. D.....	<i>Associate</i>

The lectures in this course will be principally clinical, supplemented by didactic lectures, illustrated by diagrams, models, and photographic illustrations of disease from life.

MEDICAL JURISPRUDENCE

HARRY S. BERNTON, M. D.....	<i>Professor</i>
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This course is designed to familiarize students with the rights and obligations of physicians, both legal and ethical, and to qualify them to apply the facts of medical science to the solution of problems in law.

SURGERY

WILLIAM CLINE BORDEN, M. D.....	<i>Professor</i>
CHARLES WILLIAMSON RICHARDSON, M. D.,	

Professor of Laryngology and Otology

AURELIUS RIVES SHANDS, M. D.	<i>Clinical Professor of Orthopedic Surgery</i>
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FRANCIS RANDALL HAGNER, M. D.,	
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Professor of Genito-Urinary Diseases and Venereal Diseases

LUTHER HALSEY REICHELDERFER, M. D.....*Clinical Professor*
 WM. H. MONCRIEF, M. D.,

Professor of Military Surgery and Sanitation

OSCAR ADDISON MACK McKIMMIE, M. D.,

Clinical Professor of Laryngology and Otology

THOMAS CHARLES MARTIN, M. D.....*Professor of Proctology*

CURTIS LEE HALL, M. D.....*Professor of Orthopedic Surgery*

HARRY HYLAND KERR, M. D.....*Clinical Professor*

WILLIAM PINKEY REEVES, M. D.....*Clinical Professor*

WILLIAM THORNWALL DAVIS, M. D.....*Professor of Ophthalmology*

CHARLES STANLEY WHITE, M. D.....*Associate Professor*

DANIEL LERAY BORDEN, A. M., M. D.....*Associate Professor*

WILLIAM F. SOWERS, M. D.....*Clinical Associate*

ARTHUR C. CRISTIE.....*Professor of Roentgenology*

THOMAS A. GROOVER, M. D.....*Associate Professor of Roentgenology*

EDWARD GRANT SEIBERT, M. D.,

Associate in Ophthalmology and Laryngology

EDWIN C. MERRITT, M. D.....*Associate in Roentgenology*

JOHN POTTS FILLEBROWN, M. D.....*Clinical Instructor*

ADAM KEMBLE, M. D.....*Associate in Genito-Urinary Surgery*

HOMER GIFFORD FULLER, M. D.,

Clinical Instructor in Genito-Urinary Surgery

CLINE N. CHIPMAN, M. D.....*Instructor in Anaesthesia*

ALBERT PERKINS TIBBETS, M. D.,

Clinical Instructor in Laryngology and Otology

HARRY SAMUEL LEWIS, M. D.....*Clinical Instructor*

WILLIAM BERRY MARBURY, M. D.....*Instructor*

SAMUEL BOYCE POLE, M. D., *Clinical Instructor in Laryngology and Otology*

SAMUEL H. GREENE, M. D.....*Instructor in Laryngology and Otology*

THOMAS M. FOLEY, M. D.....*Instructor in Orthopedic Surgery*

GEORGE H. MORRIS, M. D.....*Clinical Instructor*

WILLIAM G. YOUNG, M. D., *Clinical Instructor in Genito-Urinary Surgery*

EARL GRIFFITH BREEDING, A. B., M. S., M. D.,

Clinical Instructor in Laryngology and Otology

CHARLES O. KNOTT, M. D.,.....*Instructor in Genito-Urinary Surgery*

HERBERT H. SCHOENFELD, M. D.....*Clinical Instructor*

AUGUSTUS C. GRAY, M. D.....*Instructor*

FREDERICK C. SCHREIBER, M. D... *Instructor in Laryngology and Otology*

The principles of surgery are presented in a systematic course of lectures, so that the student may obtain a comprehensive and adequate concept of the science and art of surgery. These lectures are followed by recitations, so that the subject-matter may be thoroughly impressed upon the students. The special divisions of surgery are taught by associates and instructors

who have made specialties of these branches. The clinical material in the University Hospital and Dispensary, being under the control of the Faculty, is directly used throughout the course of illustrate the subjects taught and to familiarize the students with actual clinical conditions.

Surgical technique is taught by instruction in the preparation of materials used in antiseptic and aseptic surgery, the preparation of the patient, and the sterilization of instruments. Practical instruction is given in the Hospital and Dispensary in the application of splints, bandages, and dressings used in the various surgical diseases and injuries. Thorough instruction and practical demonstrations are given in the administration of anaesthetics.

Clinical teaching is carried on in the University Hospital and Dispensary, and in other hospitals of the city to which members of the Faculty are attached. Amphitheatre clinics are given, in which the general practice of surgical diagnosis and operative technique and therapeutic procedure are shown.

Ward clinics and bedside instruction are made a prominent part of the course. The classes are divided into sections, which are regularly assigned to clinical work in the University Hospital and Dispensary, and in other hospitals and dispensaries. Senior students are assigned in rotation to individual cases in the wards of the University Hospital.

Practical work is required of each student in the preparation of dressings and sterilization of instruments. Each student is required to give, under instruction, at least six anaesthesias and to assist in at least six operations.

Thorough courses are given in operative surgery and proctology.

SUBJECT	YEARS	HOURS	
		Totals Didactic and Lab.	Didactic not to exceed
Surge.y.....	II, III, IV		
General Surgery.....		540	144
Minor Surgery.....		40	20
Radiography.....		16	0
Fractures, etc.....		16	16
Military Surgery and Sanitation.....		16	16
Ophthalmology.....		64	16
Laryngology and Otology.....		60	24
Genito-Urinary Surgery.....		48	16
Orthopedics.....		48	16
		— 848	— 268

ORTHOPEDICS

CURTIS LEE HALL, M. D.....	<i>Professor</i>
AURELIUS RIVES SHANDS, M. D.....	<i>Clinical Professor</i>
THOMAS MADDEN FOLEY, M. D.....	<i>Instructor</i>

A course of lectures and recitations on the pathology, etiology, course termination, and treatment of chronic joint diseases, with clinical instruction in the application of special apparatus and of plaster of Paris to the correction of deformities.

RADIOGRAPHY

ARTHUR C. CHRISTIE, M. D.....	<i>Professor</i>
THOMAS A. GROOVER, M. D.....	<i>Associate Professor</i>
EDWIN A. MERRITT, M. D.....	<i>Associate</i>

A fully equipped X-ray laboratory is maintained in the University Hospital and Dispensary. Students of the third and fourth year classes are assigned in sections for instructions in the use of apparatus and the application of radiographs and fluroscopic examinations to diagnosis.

GENITO-URINARY DISEASES

FRANCIS RANDALL HAGNER, M. D.....	<i>Professor</i>
ADAM KEMBLE, M. D.....	<i>Associate</i>
HOMER GIFFORD FULLER, M. D.....	<i>Clinical Instructor</i>
WILLIAM G. YOUNG, M. D.....	<i>Clinical Instructor</i>
CHARLES O. KNOTT, M. D.....	<i>Clinical Instructor</i>

A thorough course of instruction in genito-urinary diseases is given by lectures, recitations, section clinics, and bedside teaching.

MILITARY SURGERY AND SANITATION

WM. H. MONCRIEF, M. D., Colonel, Med. Corps., U. S. A.....	<i>Professor</i>
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The treatment of gunshot wounds with special reference to civil practice is given in a course of lectures and demonstrations, fully illustrated by lantern slides, X-ray photographs, and actual specimens from a collection made after years of study and experimentation.

The use of the new armaments in recent wars and the characteristic features of the wounds caused by them, as well as the treatment of gunshot wounds in peace and war are dealt with.

Lectures on Military Hygiene are also given.

OPHTHALMOLOGY

WILLIAM THORNWALL DAVIS, M. D.....	<i>Professor</i>
DANIEL KERFOOT SHUTE, A. B., M. D.....	<i>Clinical Professor</i>
EDWARD GRANT SEIBERT, M. D.....	<i>Clinical Instructor</i>
EARL GRIFFITH BREEDING, A. B., M. S., M. D.....	<i>Clinical Instructor</i>

The course of lectures on this subject is to direct attention to the elementary principles of the subject. It is not intended to qualify the student as a specialist, but to give him a knowledge of what every general practitioner ought to know. The course is supplemented by clinical instruction in the University Dispensary and in the Episcopal Eye, Ear and Throat Hospital.

LARYNGOLOGY AND OTOTOLOGY

CHARLES WILLIAMSON RICHARDSON, M. D.....	<i>Professor</i>
OSCAR ADDISON MACK McKIMMIE, M. D.....	<i>Clinical Professor</i>
EDWARD GRANT SEIBERT, M. D.....	<i>Instructor</i>
ALBERT PERKINS TIBBETS, A. B., M. D.....	<i>Clinical Instructor</i>
SAMUEL HARRISON GREENE, M. D.....	<i>Clinical Instructor</i>
SAMUEL BOYCE POLE, M. D.....	<i>Clinical Instructor</i>
EARL G. BREEDING, M. D.....	<i>Clinical Instructor</i>
FREDERICK C. SCHREIBER, M. D.....	<i>Clinical Instructor</i>

The course comprises lectures and clinical instruction on diseases of the nasal passages, pharynx, larynx, and the ear. Practical demonstrations are given in the use of the laryngoscope and other instruments required in these special branches.

OBSTETRICS

HURON WILLIS LAWSON, S. M., M. D.....	<i>Professor</i>
WILLIAM SINCLAIR BOWEN, M. D.....	<i>Clinical Professor</i>
EDGAR SNOWDEN, M. D.....	<i>Clinical Associate</i>
ALBERT E. PAGAN, M. D.....	<i>Associate</i>
HOWARD FRANCIS KANE, A. B., M. D.....	<i>Instructor</i>
CYRUS W. CULVER, M. D.....	<i>Clinical Instructor</i>

The course in obstetrics comprises lectures, recitations, laboratory demonstrations and clinical instruction and extends over the third and fourth years. The lectures serve to outline the subject-matter and the recitations insure careful preparation on the part of the student. Special laboratory studies dealing with anatomy, embryology and pathology in relation to obstetrics are conducted in the different laboratories concerned. Models, manikins and cadavers are utilized in teaching the mechanism of labor and obstetrical operations. Clinical instruction is given to the classes in small sections at different hospitals and in the out-patient obstetrical service. Beginning about the middle of the third year the student is given practical instruction in making antepartum examinations and he also observes the management of labor cases. During the fourth year he conducts, under the supervision of a paid instructor, twelve labor cases in the large and well-organized out-patient maternity service and submits written reports upon the cases attended.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Obstetrics.....	III and IV	192†	64

† The total number of clinic hours cannot be given, as each student is required to attend twelve classes, exclusive of the demonstration work and Ward and Dispensary Clinics above enumerated.

GYNECOLOGY

JOHN WESLEY BOVÉE, M. D.....	<i>Professor</i>
ALBERT LIVINGSTON STAVELY, M. D.....	<i>Clinical Professor</i>
GIDEON BROWN MILLER, M. D.....	<i>Clinical Professor</i>
J. LEWIS RIGGLES, M. D.....	<i>Associate</i>
ALBERT E. PAGAN, M. D.....	<i>Associate</i>
NELSON DUVAL BRECHT, M. D.....	<i>Instructor</i>
VIRGIL B. JACKSON, M. D.....	<i>Clinical Instructor</i>

Gynecology as taught in the third year comprises a course of lectures, text-book recitations and clinical instruction. In the fourth year individual students are assigned to cases in the wards of the University Hospital, and the class is taken in sections of one or two students each into the Gynecological Dispensaries for clinical instruction in examinations, diagnosis, and treatment. In larger sections the class attends amphitheater and ward clinics given by the Professor of Gynecology and his assistants.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Gynecology.....	III and IV	144	48

HYGIENE

EDGAR SNOWDEN, M. D.....	<i>Professor</i>
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The course in Hygiene is given principally by recitation from a prescribed text-book. Consideration is given to domestic and municipal sanitation and to the principles underlying legislative control of public health.

SUBJECT	YEARS	HOURS	
		Totals	Didactic
		Didactic and Clinical	not to exceed
Hygiene.....	II	32	32

ETHICS

The subject of ethics as given in the order of instruction will comprise didactic lectures on personal ethics in the first year and on medical ethics in the fourth year. Instruction will be given concerning personal hygiene,

care of laboratory equipment, general conduct and adaptability for the profession.

CLINICAL FACILITIES

The following hospitals are open to the students of this school for clinical study, and are extensively used for that purpose:

UNIVERSITY HOSPITAL AND THE UNIVERSITY DISPENSARY.

H Street, between Thirteenth and Fourteenth Streets N. W. and adjacent to the Medical Building.—The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the Medical School, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually.

The staff is composed of members of the Faculty of Medicine.

GARFIELD MEMORIAL HOSPITAL

Florida Avenue and Tenth Street N. W.—This institution has 118 charity beds. Clinics are given regularly throughout the session by members of the Faculty connected with the visiting staff of the hospital.

Members of the Faculty on the visiting staff: Professors CLAYTOR, and LEECH, Clinical Medicine; Professors REICHELDERFER and KERR and Dr. PAGAN, Clinical Surgery; Professors STAVELY and MILLER, Clinical Gynecology; Professor CARMICHAEL, Clinical Dermatology; Professor DAVIS, Ophthalmology, Professor HAGNER, Clinical Genito-Urinary Surgery; Professor YARROW, Consulting Physician; Professor BOWEN, Clinical Obstetrics; Dr. MERRITT, Radiography.

CHILDREN'S HOSPITAL

W Street, between Twelfth and Thirteenth Streets N. W.—Regular instruction is given in the medical and surgical wards by members of the Faculty on the visiting staff of the hospital. This institution has 100 charity beds. There is also a large out-patient department, to which students are regularly assigned for clinical instruction.

Members of the Faculty on the visiting staff: Professor YARROW, Consulting Physician, Professors REICHELDERFER and KERR, Clinical Surgery; Professors ACKER, LEECH and DONNALLY, and Dr. COPELAND, Clinical Medicine; Dr. HALL, Orthopedic Surgery.

PROVIDENCE HOSPITAL

Second and D Streets S. E.—Four hundred and ten beds and a large dispensary service is open for clinical instruction by members of the visiting staff.

EMERGENCY HOSPITAL AND CENTRAL DISPENSARY

1711 New York Avenue.—The hospital has 100 charity beds, and has a very large out-patient service. The large emergency service gives exceptional facilities in clinical surgery, particularly in fractures and dislocations which are taught in regular clinics by the instructor in this subject.

Members of the faculty on the visiting staff: Professor HAGNER, Clinical Genito-Urinary Diseases; Professors MITCHELL and WHITE and Drs. JACKSON and LEWIS, Surgery; Dr. LITTLEPAGE, Clinical Medicine; Professor CARMICHAEL, Clinical Dermatology; Dr. MILLER, Clinical Gynecology; Professor SHANDS and Dr. FOLEY, Orthopedics; Professor SHUTE, Ophthalmology; Dr. ELLISON, Director of Clinics.

COLUMBIAN HOSPITAL FOR WOMEN

Twenty-fifth Street and Pennsylvania Avenue N. W.—This hospital has 40 charity beds for diseases peculiar to women, and 40 charity maternity beds. Both the obstetrical and the gynecological services are particularly good and are fully utilized for students.

Members of the Faculty on the visiting staff: Professors BOVÉE and MILLER, and Drs. D. L. BORDEN, RIGGLES and SULLIVAN, Clinical Gynecology; Professors LAWSON and BOWEN and Drs. RIGGLES and SNOWDEN, Clinical Obstetrics; Professor SHUTE, Ophthalmology; Professors RUFFIN and RANDOLPH, Visiting Physicians; Dr. ABBE, Surgery; Dr. COPELAND, Pediatrics.

ST. ELIZABETH'S HOSPITAL

This hospital is maintained by the United States Government. It has 4,000 beds. Clinical instruction in mental diseases is given by the superintendent of the hospital, Professor W. A. WHITE, and Drs. CHAPMAN and O'MALLEY. Other members of the Faculty on service at this hospital are Professor FRANZ and Professor LEWIS; Professor SHUTE, Consulting Ophthalmologist; Professor RUFFIN, Consulting Physician; Professor BOVÉE, Consulting Gynecologist.

THE EPISCOPAL EYE, EAR, NOSE, AND THROAT HOSPITAL

Fifteenth Street, between L and M Streets N. W.—Excellent opportunities for clinical instruction in ophthalmology, otology, laryngology, and rhinology are offered by this hospital.

Members of the Faculty on its staff: Professor RICHARDSON, Clinical Otology and Laryngology; Professor McKIMMIE and Dr. GREENE, Clinical Otology and Laryngology; Professor DAVIS, Ophthalmology; Professor ACKER, Consulting Physician; Dr. SIMPSON, Dermatology; Dr. WHITE, Consulting Surgeon.

CASUALTY HOSPITAL

Massachusetts Avenue N. E.—Opportunities in emergency and dispensary work are offered by this institution.

Members of the Faculty on its staff: Professor ACKER, Consulting Physician; Professor REEVES and Dr. ROGERS, Clinical Surgery; Dr. HALL, Orthopedic Surgery; Dr. KANE, Obstetrics.

TUBERCULOSIS HOSPITAL

Fourteenth and Upshur Streets N. W.—Members of the Faculty on its staff: Professor CLAYTOR, and Dr. TEWKSBURY, Clinical Medicine; Dr. REICHELDERFER, Clinical Surgery; Professor RICHARDSON, Ophthalmology.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of ten dollars will be charged for each subject.

A student who has failed in any subject shall not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee of the Faculty. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September examinations.

A student who fails of graduation, may if approved by the Advisory Committee, be re-examined for graduation in the September examinations.

A student allowed to take the September examinations either for graduation or advancement, will be required to take examinations in such subjects as the Advisory Committee may direct.

A student allowed to repeat a year will be required to take such subjects and such examinations as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years or fails of graduation after repeating the final year will not be permitted to maintain his connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Medicine must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be

present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as having graduated with distinction. If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

PRIZES

A prize from the Ordranax Prize Endowment will be awarded to the student of the third, and the student of the fourth year class who has the highest scholastic standing.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by a group of alumni. Its purpose is to cultivate closer friendly relations between the alumni and members of the faculty by means of social gatherings, to advance medical science by the presentation of essays, case reports and specimens for instruction and discussion, at its meetings, and to further the interest of the university in general. All alumni and members of the faculty are eligible for membership on election.

Officers: Dr. F. A. HORNADAY, *President*, Dr. H. W. KEARNEY, *Vice-President*, Dr. C. B. CONKLIN, *Secretary-Treasurer*.

Meets at the Medical School building on the third Saturday of each month from October to May.

Senior students are invited to attend the meetings of this society so allowing them the valuable opportunity of hearing the papers presented on medical subjects and becoming familiar with the conduct of medical societies.

HOSPITAL APPOINTMENTS

Interns are annually appointed in the University Hospital. Appointments to similar positions are open to the graduates and undergraduates of this school in the following other hospitals of the city: Garfield Memorial Hospital; Emergency Hospital; Columbian Hospital for Women; Casualty Hospital; Providence Hospital; Washington Asylum Hospital; Children's Hospital; Episcopal Eye, Ear and Throat Hospital.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The central building of this Association is situated within a short distance of the Medical School.

On application through the Dean, students non-resident of the District may become members, with full privileges, including gymnasium, shower baths, swimming pools, lockers, etc., at a special rate of ten dollars for the period of the school session.

Further information regarding the Association may be obtained by application to the Secretary, 1736 G St., N. W.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance.....	\$5.00
Registration fee, each subsequent year.....	2.00
Tuition each year.....	200.00
Breakage deposit, unused part returnable.....	10.00
Graduation fee.....	10.00

The above fees apply to all students who register in this school in any class for the session beginning September 29, 1920, and include the use of microscopes.

Students will be required to pay for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Doctor of Medicine who take courses in Histology, Embryology, Bacteriology, Pathology or Clinical Microscopy will be charged a fee of \$6.00 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6.00 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Medical School is for

a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly instalments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Dean.

PREMEDICAL YEARS FEES

SPECIAL COURSE ADMITTING TO THE MEDICAL SCHOOL, BUT NOT LEADING TO A DEGREE IN THE ARTS DEPARTMENT

Annual registration fee.....	\$2
Tuition, per annum.....	180

First Year

Chemistry laboratory	
Materials.....	10
Breakage.....	10
Zoology	
Materials.....	5
Microscope.....	5

Second Year

Zoology	
Materials.....	5
Physics Laboratory	
Materials.....	10

If Chemistry 7 is elected, a \$10.00 fee for materials and a \$10.00 deposit fee will be required.

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

Annual registration fee.....	\$2
Tuition, per annum.....	180

First Year

Chemistry Laboratory	
Materials.....	10
Breakage.....	10

Zoology		
Materials.....	\$	5
Microscope.....		5
Second Year		
Chemistry Laboratory		
Materials.....		10
Breakage.....		10
Zoology		
Materials.....		5
Physics		
Material fee.....		10

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

Applicants are urged to secure from the schools and colleges attended, completely compiled, premedical credentials and forward them for evaluation as long a time as possible before the opening of the Medical School in September.

While no standard form of statement is required, blank forms for enumerating credentials will be supplied if requested.

For catalogues, application blanks, and further information, address

THE DEAN,

*Medical School,
The George Washington University,
1335 H Street N. W., Washington, D. C.*

THE GEORGE WASHINGTON UNIVERSITY TRAINING SCHOOL FOR NURSES

Administrative and Teaching Personnel

WILLIAM MILLER COLLIER, A.M., LL.D., ... *President of the University*
WILLIAM CLINE BORDEN, M.D.

Dean, Department of Medicine of the University and Chairman of the Executive Committee of the Hospital

JOHN WESLEY BOVEE, M.D.	<i>Gynecology</i>
CHARLES WILLIAMSON RICHARDSON, M.D.	} <i>Ear, Nose and Throat</i>
OSCAR ADDISON MACK MCKIMMIE, M.D.	
HENRY KNOX CRAIG, M.D.	<i>Materia Medica</i>
RANDOLPH BRYAN CARMICHAEL, M. D.	<i>Dermatology</i>
CYRUS W. CULVER, M.D.	<i>Anatomy</i>
OSCAR BENWOOD HUNTER, S.M., M.D.	<i>Bacteriology</i>
HARRY KNOX CRAIG, M.D.	<i>Physiology</i>
EDGAR PASQUAL COPELAND, M.D.	<i>Pediatrics</i>
DANIEL LERAY BORDEN, A.M., M.D.	<i>Surgery</i>
HURON W. LAWSON, M.D.	<i>Obstetrics</i>
THOMAS LINVILLE, M.D.	<i>Medicine</i>
C. B. CONKLIN, M.D.	<i>Contagious Diseases</i>
TRUMAN ABBE, A.B., M.D.	<i>Bandaging</i>
FRANK A. HORNADAY, M.D.	<i>Public Sanitation</i>
CUSTIS L. HALL, M.D.	<i>Orthopedics</i>
WILLIAM T. DAVIS, M.D.	<i>Eye</i>
JOHN B. COPPING.	<i>Superintendent</i>
OLIVE B. SWEET, R.N.	<i>Superintendent of Nurses</i>
IRENE HANSON, R.N.	<i>Asst. Superintendent of Nurses</i>
HELEN I. PFAFF, R.N.	<i>Instructor</i>
MARION B. OLDS, R.N.	<i>Night Supervisor</i>
RUTH WEIR, R.N.	<i>Operating Room Supervisor</i>
AURALEE SIGAFOOSE, R.N.	<i>Anaesthetist</i>
LOUISE STRATBUCKER.	<i>Dietitian</i>
PAUL SYLVESTER, Reg. Phar.	<i>Solutions</i>
CAROLYNE MCKIM CHAPMAN, R.N.	<i>Instructor in Massage</i>
CLARA MOONEY, Mrs.	<i>Matron, Nurses' Home</i>

HOSPITAL.

The George Washington University Hospital is a general hospital located in the central part of the city, and connected with it is a Dispensary having a large out-patient service, so that the Institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical and emergency nursing and the administration work incident to a hospital.

The staff of the George Washington University Hospital are all members of the Faculty of Medicine of the University Medical School and the nurses receive the benefit arising from instruction and nursing cases under these trained instructors.

ADVANTAGES.

Nurses in training in this Institution have the unusual advantages incident to University association, are carried as students in the University and as such participate in the commencement exercises.

The city of Washington being the Capital of the United States is especially attractive as a place of residence during the educational period of a young woman's life. There are more schools for young women in the city than in any other of its size in this country.

The cosmopolitan character of the city of Washington, its climate (not excessively cold in winter), its beauty, and its interests, which, as it is the seat of the General Government, are broad and national, make it an ideal place in which to pass three years of study.

NURSES' HOME

The Nurses' Home with a resident matron is located at 1016 13th Street N. W., a short distance from the Hospital, and furnishes the nurses excellent and adequate accommodations.

BOARD OF LADY MANAGERS

Since the establishing of the Hospital and Training School for Nurses, both these institutions have been very materially assisted by a most efficient Board of Lady Managers. This Board has worked most energetically in the interest of both the Hospital and Training School, and by personal endeavor and financial assistance have done much to improve these institutions.

REQUIREMENTS FOR ADMISSION

Candidates must apply personally or by letter to the Superintendent of Nurses upon blank forms provided therefor. Applicants must not be less than 19 nor over 30 years of age. They must be in good physical condition and present satisfactory evidence of their preliminary educational qualifications. Graduation from a grammar school and three years' work in a high school or academy or its equivalent are necessary. Approved applicants will be taken for a probationary period of four months as vacancies may occur. Such probationers as are deemed fitted for the duties of nurses, at the expiration of their probationary period, upon subscribing to the requirements of the school, will be accepted as pupil nurses.

Classes for probationers begin in January, April, July and October.

COURSE OF TRAINING

The course of training (including the probationary period) covers three years and comprises theoretical and practical instruction. By affiliation, pupils are given four months in eye, ear, nose and throat work at the Episcopal Hospital and three months in Children's diseases, at The Children's Hospital, both in this city.

ORDER OF INSTRUCTION

The subjects studied in each year are shown in the following table:

<i>FIRST YEAR</i>	<i>SECOND YEAR</i>	<i>THIRD YEAR</i>
Anatomy and Physiology	Communicable diseases	Diet and diseases
Bandaging	Pediatrics	Nervous and Mental
Chemistry	Gynecology	diseases
Bacteriology	Orthopedics	Special Senses
Dietetics	Massage	Skin and Venereal dis-
Drugs and Solutions	Obstetrics	eases
Materia Medica	Pathology and Urin-	Special lectures
Ethics	analysis	and Training School
Hygiene	Nursing Ethics and	Administration.
Medical diseases	History of Nursing.	
Surgical diseases		
Nursing technic		
Physical education.		

(5) Diet cooking for the sick including (a) twelve lessons in cooking with a competent diet teacher; (b) food values, and feeding in special cases, to be taught in classes and not in lectures.

(6) A thorough course of theoretical instruction in contagious nursing where practical experience is impossible.

(7) Bacteriology.

REGULATIONS

I. Probationers, when admitted to the school, will require the following outfit: *Uniform.* 4 uniform dresses, 12 uniform aprons, 1 dozen pairs uniform cuffs, 1 dozen uniform collars, 3 striped undershirts, 2 laundry bags, 1 watch with second hand, 6 sets plain underclothing, raincoat, 1 pair rubbers, shoes with rubber heels, 1 kimono.

II. To insure uniformity and economy the uniform sample must be secured through the Superintendent of Nurses, and no nurse will be allowed to go on duty until her outfit has been inspected and found to comply with the requirements of the school.

III. All articles of clothing must be plainly made and marked with name in full.

IV. Jewelry is not allowed to be worn on duty, and if of any value is best left at home. If brought, it will be at the risk of the owner. Watches are to be worn on tape around neck, under bib.

V. Two hours, are allowed every week day, for rest, study and recreation, also one-half day after 1 p. m. each week, and one-half day on Sunday.

VI. A vacation of two weeks is allowed each year.

VII. A pupil nurse may be dismissed at any time if there is sufficient cause for such action, but no dismissal shall be made without the approval of the President of the University.

REMUNERATION

Each nurse in training receives professional instruction, home, board, laundry and medical care free and a salary of \$12 per month (including the probation period) and an additional \$108 (\$3.00 per month) paid at the expiration of the three years course.

DIRECTORY FOR NURSES

A general directory for Graduate Trained Nurses was established in connection with the Training School and Hospital during the first year in which the School was in operation. The object of this directory is to afford a means to physicians and patients of securing with the least loss of time, the services of nurses who have graduated from our Training School. The Directory is under the supervision of the Executive Committee of the Faculty of Medicine and under the direct charge of the Superintendent of Nurses.

GRADUATES

JUNE, 1919, COMMENCEMENT

Willie Grant Ashby.....	Virginia
Sarah Elizabeth Brown.....	District of Columbia
Ruth Edward Crews.....	North Carolina
Mary Jane Flaherty.....	Virginia
Elizabeth McEl. Murray Fulcher.....	Georgia
Lena Moore Graves.....	Virginia
Nell Hamlin.....	North Carolina
Laurel Hayden.....	Maryland
Virginia Kirby.....	Virginia
Grace Lake.....	Virginia
Louva Lee Neff.....	Virginia
Marion Bovee Olds.....	Virginia
Lurline Vernon Palmore.....	Virginia
Lola Spratt.....	Virginia
Bessie Jeffrey Walker.....	Virginia
Elsie Watson.....	North Carolina
Grace Leonainie Wells.....	Virginia

GEORGE WASHINGTON UNIVERSITY SCHOOL OF PHARMACY

WILLIAM MILLER COLLIER, LL. D. PRESIDENT OF THE UNIVERSITY
 HENRY E. KALUSOWSKI, M. D., PHAR. D.,
 Dean of the School of Pharmacy, Professor of Pharmacy

OFFICERS OF THE NATIONAL COLLEGE OF PHARMACY

WILLIAM MILLER COLLIER, LL.D. PRESIDENT OF THE UNIVERSITY
 HENRY E. KALUSOWSKI, M.D., PHAR. D., . . . Dean and Chairman of the College
 LEWIS FLEMER, PHAR. D. Vice-Chairman of the College
 CHARLES B. CAMPBELL, PHAR. D., M. D. Secretary of the College
 HERBERT C. EASTERDAY, PHAR. D. Treasurer of the College

BOARD OF TRUSTEES

(with year of expiration of term of office)

HENRY E. KALUSOWSKI, 1921	LEWIS FLEMER, 1920
SAMUEL L. HILTON, 1921	WILLARD S. RICHARDSON, 1920
WILLIAM T. KERFOOT, JR., 1921	WYMOND H. BRADBURY, 1922
HENRY B. FLOYD, 1921	LYMAN F. KEBLER, 1922
CHARLES B. CAMPBELL, 1920	FRED B. CAMPBELL, 1922
HERBERT C. EASTERDAY, 1920	FRANK P. WELLER, 1922

MEMBERS OF THE COLLEGE

PHILIP J. AFFLECK	R. CLIFFORD HINES
WALTER ARMSTRONG	FLORENCE V. HOSKINS
THOMAS H. ATKINSON	JAMES T. HOSKINS
ALFRED BLUMBERG	WILLIAM S. JONES
ROBERT F. BOGGAN	HENRY E. KALUSOWSKI
W. EDWARD BOYD	LYMAN F. KELBER
HOWARD M. BRADBURY	WILLIAM T. KERFOOT, JR.
WYMOND H. BRADBURY	WILLIAM H. MCCLURE
LOUIS F. BRADLEY	D. J. MATTINGLY
ALFRED T. BRONAUGH	WILLIAM F. MATTINGLY
V. ALOIS BURGHIER	REDMOND MAYO
HOMER K. BUTLER	T. K. NELSON
CHARLES B. CAMPBELL	ROBERT J. MYERS
FRED B. CAMPBELL	GUY M. NEELY
JOSEPH D. COBLENTZ	THOMAS E. OGRAM
ALBERT N. CONNOR	NORMAN D. PARKER
FRANCIS M. CRISWELL	PAUL PEARSON
WILLIAM C. DOWNEY	MORRIS A. POZEN
ROGER W. DUFFEY	R. LUCIEN QUIGLEY
PETER J. DUNCAN	ALBERT M. READ (honorary)
HERBERT C. EASTERDAY	CHARLES C. READ
HENRY EVANS	EARLE K. RICHARDSON
W. ASHTON EVANS	FRANK R. RICHARDSON
MARTIN S. FEALY	WILLARD S. RICHARDSON
LEWIS FLEMER	FRANK ASHBY ROBEY
HENRY LEWIS FLEMER	BERT H. SMYSER
GEORGE R. FLEMER	SAMUEL T. STOTT
HENRY B. FLOYD	AUGUSTUS C. TAYLOR
LEOPOLD H. FORSTER	FRANK B. TIPTON
CHARLES J. FUHRMANN	F. A. TSCHIFFELY
MALCOLM G. GIBBS	ROBERT A. VEITCH
CHARLES E. GROSS	S. M. WAGNER
ROBERT N. HARPER	CHARLES S. WALTER
CHARLES HAWKINS	CONRAD H. WEISS
FRANK C. HENRY	FRANK P. WELLER
WILLIAM P. HERBST	EDWARD W. WHITESIDE
WALTER R. HILL	HARVEY W. WILEY (honorary)
SAMUEL L. HILTON	

SUBJECTS OF INSTRUCTION

<i>Subject.</i>	<i>Year.</i>
Pharmacy	First, second, third, and fourth year.
Chemistry	First, second, third, and fourth year.
English .	
French. }	Elect one..... First year.
German. }	
Spanish. }	
Zoology.....	First year.
Psychology and Logic.....	First year.
Physics.....	First year.
Botany.....	Second year.
Physiology.....	Second year.
Materia Medica.....	Third year.
Pharmacology.....	Third year.
Pharmacognosy.....	Second year.
Bacteriology.....	Third year.
Clinical Microscopy.....	Third year.
Public Health and Hygiene.....	Fourth year.
Mercantile Pharmacy.....	Fourth year.

GENERAL STATEMENT

The forty-ninth annual session of the George Washington School of Pharmacy will commence Wednesday, September 29, 1920.

The course of instruction covers four scholastic years of thirty-two weeks, leading to the degree of Bachelor of Science in Pharmacy.

The entrance requirements and class instruction are on the same basis as required of other schools in the University.

All work offered in the School of Pharmacy meets the highest requirements of pharmaceutical instruction, its aim is to train pharmacists so as to enable them to intelligently and efficiently perform any work that may be required from a pharmacist with scientific training, the equipment, methods of instruction and courses are arranged to attain the object of its aim, the close association of the College of Pharmacy with the George Washington University by which students in pharmacy share all the advantages and enjoy the spirit of a great educational establishment is in itself an incentive to prepare themselves to meet the requirements of the trend of pharmaceutical education.

Instruction will be given during the day.

The degree of Bachelor of Science of Pharmacy will be conferred on students who have attended the required course of instruction and pass satisfactory examinations in the same.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: first year, second year, third year, and fourth year.

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Advisory Committee of the Faculty. For special examinations, a fee of \$5 will be charged for each subject.

To be *advanced*, a student must not fail in more than one major or two minor subjects. It is recommended that students advanced conditioned remove their conditions in the September examinations. Students advanced conditioned must remove all such conditions before they can be again advanced.

Students who fail in more than one major or two minor subjects, will not be given re-examinations in the September examinations except by special permission of the Advisory Committee of the Faculty.

Students who fail of graduation because of deficiency in but one major or two minors, if approved by the Advisory Committee of the Faculty, may be re-examined in the September examinations for graduation. Students who are allowed this privilege, will be required to take such examinations as the Advisory Committee may direct.

Students who fail of advancement or graduation will be required to repeat a year, taking such subjects as may be directed by the Advisory Committee of the Faculty.

Students who fail of advancement after repeating any one of the first three years or who fail of graduation after repeating the final year, will not be permitted to maintain their connection with the school.

REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Bachelor of Science in Pharmacy must be at least twenty-one years of age and of reputable character. He must have complied with the admission and other requirements herein set forth. He must have attended at least 80 per cent of all required instruction during four sessions of 32 weeks each in four separate years; must have satisfactorily completed all his courses and passed all his examinations. He must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council. Graduates of other accredited colleges who desire degrees must spend one year in residence at this school.

Candidates who in their work and examinations attain general averages of 90 or more will be presented to the Faculty for consideration with reference to being designated as "having graduated with distinction."

If in the opinion of the Faculty such candidates have shown themselves to be possessed of more than ordinary merit, they will have inscribed upon their diplomas beneath their degree the words "with distinction."

TEXTBOOKS.

The following textbooks are used in the courses in Pharmacy: U. S. Pharmacopœia; Practice of Pharmacy, Remington; Treatise on Pharmacy, Caspari.

STUDENT ACTIVITIES

Student Activities in the University are carried on under the direction of a Board of Managers, acting under resolutions adopted by the Board of Trustees. Student Activities, including athletics, debating, and the various student publications, are supported by a voluntary tax to which all students in the University are invited to subscribe. This tax not only admits the subscriber to athletic contests and entitles him to copies of the publications, but also provides for free medical attention and hospital service under certain conditions. This tax is payable like other University fees, at the office of the Treasurer of the University.

FEES AND CONTINGENT EXPENSES

Registration fee, payable on entrance.....	\$5
Registration fee, each subsequent year.....	2
Tuition each year.....	180
Graduation fee.....	10
Material fee for Chemistry.....	10
Material fee for Physics.....	10
Materials and Microscope for Zoology.....	10
Materials and breakage for Pharmacy.....	10

This includes all laboratory fees and charges for material used in Chemistry and practical Pharmacy. Students will, however, be required to pay all charges for injury to microscopes, apparatus and other college property.

All breakage and loss not directly traceable to the individual student is assessed pro rata, and any unforfeited balance will be returned to the student at the expiration of the course.

Persons not candidates for the degree of Bachelor of Science in Pharmacy who take courses in Bacteriology or Clinical Microscopy will be charged a fee of \$6 for the use of the microscope in each of these courses. Should such a student take more than one of the courses mentioned, in any one school year, he will be charged a single fee of \$6 for microscope rental.

Students who elect to take the regular four year course in five years will be required to pay the full tuition for the first four years and will receive the fifth year without additional charge.

Persons are allowed to register as auditors for the tuition fees without being required to take active part in the exercises or to pass examinations but no credit will be allowed for such attendance.

No registration will be accepted for less than a full half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. Registration in the Pharmacy School is for a period not to exceed one year at a time and acceptance by the School of a student's registration fee does not in any way obligate the School to accept that student for any subsequent year.

Registration, other fees and deposits are due in full in advance. Tuition may be paid in eight monthly installments in advance. Students who are unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond of \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1 of the current school year. All fees are payable at the office of the Treasurer.

WITHDRAWALS

Withdrawals will be granted only on recommendation of the Dean and the approval of the President.

A certificate of work actually done will be given to any student granted a withdrawal or a transfer to another school during the session. A written request for withdrawal or transfer must be filed with the Dean and no permission to withdraw or transfer, and no certificate of work done will be given a student unless all fees and dues chargeable against him up to the end of the month in which he withdraws have been paid.

BOARD AND ROOMS

A register of boarding houses is kept by the Treasurer. Accommodations cost from \$30 to \$50 a month.

For catalogues, application blanks, and further information, address—

THE DEAN,
School of Pharmacy,
The George Washington University,
808 Eye Street N. W., Washington, D. C.

LAW SCHOOL

FACULTY

WILLIAM MILLER COLLIER, A.M., LL.D.....	<i>President of the University</i>
MERTON LEROY FERTON, A.M., LL.B.....	<i>Dean and Professor of Law</i>
WALTER COLLINS CLEPHANE, LL.M.....	<i>Professor of Law</i>
EDWIN CHARLES BRANDENBURG, LL.M.....	<i>Professor of Law</i>
ARTHUR PETER, LL.B.....	<i>Professor of Law</i>
JOHN PAUL EARNEST, A.M., LL.M.....	<i>Professor of Law</i>
WENDELL PHILLIPS STAFFORD, A.M., LL.D., Litt.D....	<i>Professor of Law</i>
JOHN WILMER LATIMER, LL.B.....	<i>Professor of Law</i>
WILLIAM CABELL VAN VLECK, A.B., LL.B.	<i>Secretary and Professor of Law</i>
*ARCHIBALD KING, A.M., LL.B.....	<i>Assistant Professor of Law</i>
CHARLES SAGER COLLIER, A.B., LL.B.....	<i>Assistant Professor of Law</i>
MERRILL ISAAC SCHNEBLY, A.B., J.D.....	<i>Assistant Professor of Law</i>
JOHN MONTEITH MCFALL, A.M., LL.B.....	<i>Assistant Professor of Law</i>
LOYD HALL SUTTON, S.B., LL.B.....	<i>Associate Professor of Patent Law</i>
JOHN HANNA, A.M., LL.B.....	<i>Lecturer in Law</i>
CHESTER McLAIN, A.B., LL.B., S.J.D.....	<i>Lecturer in Law</i>
WILLIAM HENRY STAYTON, LL.M.....	<i>Lecturer in Law</i>
LEVI RUSSELL ALDEN, A.M., LL.B.....	<i>Lecturer in Law</i>
FRED C. O'CONNELL, LL.M.....	<i>Clerk of the Moot Court</i>

MOOT COURT OF APPEALS

HENRY BROWN FLOYD MACFARLAND.....	<i>Chief Justice</i>
STANTON JUDKINS PEELE, LL.B.....	<i>Associate Justice</i>
BRAINARD WARNER PARKER, LL.B.....	<i>Associate Justice</i>

LIBRARY

ARTHUR VAN METER, A.B.....	<i>Assistant Librarian</i>
JOSEPH EAGLESON McCULLOUGH.....	<i>Assistant Librarian</i>

GENERAL STATEMENT

History.—The Law School, established in 1865, is the oldest in the city of Washington. Its course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A year of graduate work was added in 1877 leading to the degree of Master of Laws. The curriculum has since been increased by a course of study leading to the degree of Master of Patent Law.

*On leave of absence 1919-20. An officer in the American Expeditionary Forces in France.

Member of Association of American Law Schools.—The Law School was one of the group of law schools which in 1900 organized the Association of American Law Schools and it has remained a member of the Association since that time. This Association includes forty-eight of the most progressive law schools of the country and is committed to the policy of advancement in legal education. As this school maintains the standards of the Association, work certified by it is given a maximum of credit by other law schools of the country. This enables students who are unable to complete their studies in Washington to continue them at other institutions with a minimum loss of time and work.

Purpose of Course.—The School aims to give a thorough legal training to students whose education and maturity fit them to pursue serious professional study. Nearly sixty per cent of its students have had college training and their average age is over twenty-five years. A preliminary course in liberal arts is encouraged and the University permits the first year of law work to be counted as the fourth year of college work for the degree of Bachelor of Arts, thus enabling students to obtain both the academic and professional degrees in six years.

Method of Instruction.—The method of instruction followed is designed to instill correct modes of legal study, to train the mind in legal reasoning, and to give a thorough grasp of fundamental legal principles. The student studies leading cases—the earlier cases which establish a principle, the later cases which show its qualifications. This study is supplemented by classroom discussion and instruction. Thus while the student is being trained to analyze and to discriminate, he at the same time masters the principles of law, sees the reasons on which they are based, and observes the influence on their development of successive political, economic, and social theories. The method is most practical. The student has always before him actual problems and their solution by the ablest judges of England and America. He begins under his teacher's guidance the work he must do when he enters practice. In no other way can the future lawyer acquire such power to solve the new problems arising from the rapidly changing social and economic conditions of life.

“The only way to clarify and simplify our law as a whole is to reach the lawyer in the making and mold his habits of thought by adequate instruction and training so that when he comes to the Bar he will have learned to think not merely in terms of law but in terms of jurisprudence. The living principle of the case system of instruction in our law schools is that the student is required by a truly scientific method of induction to extract the principle from the decision and to continually state and restate for himself a system of law evolved from its history. He is thus preparing not merely to accept formally dogmatic statements of principles but to receive

and assimilate and make his own the systematic thought and learning of the world in the science of jurisprudence. With a Bar subjected generally to that process of instruction, the more general systematic study of jurisprudence would follow naturally and inevitably, and the influence of that study would be universal; and from that condition would evolve naturally the systematic restatement of our law, by men equal to that great work.”*

This inductive case system is the antithesis of the lecture and illustrative case method which is often mistaken for it. The case method is now used in over eighty per cent of the schools in the Association of American Law Schools.

The substantive law is taught almost wholly by professional teachers employing the case method and giving all their time to the school; the practice courses are conducted by lawyers and judges in active practice.

Scope of Course.—The course of study is not local in its scope but constitutes a thorough preparation for the practice of law in any English speaking jurisdiction. It satisfies the professional study required for admission to the Bar examinations of the District of Columbia and all other jurisdictions of the United States. The school has conferred over 2,500 degrees, and its graduates are now practicing in every state of the Union.

ADVANTAGES OF WASHINGTON FOR THE STUDY OF LAW

The city of Washington has unusual attractions for students and particularly for students of law. It lies between the North and the South. It is a residential city of rare beauty, and its population is drawn from all over the United States. The library facilities of the city, both general and legal, are unexcelled. It is unique in the extent of its legal machinery. It is the seat of Congress, the Supreme Court of the United States, the Department of Justice, the United States Court of Claims, the United States Court of Customs Appeals, and of the District of Columbia Court of Appeals, Supreme Court, and Municipal Courts, which exercise the dual function of state and federal courts. By attending the sessions of these various bodies students can familiarize themselves with all branches of legal procedure and keep in touch with current legal thought while pursuing their studies.

LOCATION

The Law School occupies the entire fifth and sixth floors of the New Masonic Temple, corner of New York Avenue, Thirteenth, and H Streets N. W., and is easily accessible from all parts of the city. The quarters are well equipped with commodious class rooms, moot court rooms, offices, the law library, and a students' room.†

*From the address of Hon. Elihu Root, President of the American Bar Association August, 1916.

†Beginning September 1, 1920, The Law will occupy its new Building at 1435 K Street Northwest.

LIBRARY

A well-equipped working library comprising more than 10,000 volumes is open to students from 8.30 a. m. to 10 p. m. Competent librarians are in charge and will give students assistance in the use of books.

The library contains the complete decisions of the highest courts of forty-eight states and the District of Columbia, the complete reports of the United States Supreme Court and the other federal courts, the complete National Reporter Reports, the Century, Decennial, Key number and United States Supreme Court Digests, the various encyclopedias of law, the Lawyers Reports Annotated, the American Decisions, American Reports and American State Reports, the English Common Law and Chancery Reports, the English Reprint, the English Law Reports and Law Journal Reports since 1865, and about 800 standard text books and legal periodicals.

In addition to these facilities the students have free access to the Congressional Library and other public libraries.

ACADEMIC YEAR AND REGISTRATION

The academic year 1920-21 begins Wednesday, September 29, closes Wednesday, June 8. The year is divided into two half-years, the second beginning February 7. The course is so arranged that a student may enter the second half-year and be graduated three years from that time, receiving his degree at the Winter Convocation held on or about February 22 of each year.

Students are urged to register at the beginning of the half-year. Those who register later than three weeks after the opening of the half-year will be restricted to registration for such work only as in the opinion of the faculty they can successfully carry.

HOURS OF INSTRUCTION

The hours of instruction are 7.50-8.40 a. m., 9.00 a. m.-12.00 m., and 5.10-6.50 p. m. Many of the courses are duplicated, so that a student may, if he so desires, confine his work largely either to the forenoon or to the afternoon. Students who desire, or are compelled by circumstances, to support themselves by employment in the Government Service or elsewhere, or who desire to obtain practical experience in an attorney's office in addition to their work in law school, will find this arrangement of hours especially desirable. Such students may complete the full course for the degree, confining their attendance entirely from 5.10-6.50 p. m., or attending partly from 7.50-8.40 a. m., and partly from 5.10-6.50 p. m.

ADMISSION

Both men and women are admitted to the Law School.

1. *For the Degree of Bachelor of Laws.*—The requirements for admission to the course leading to the degree of Bachelor of Laws may be satisfied in either of the following ways:

a. By the presentation of a diploma or certificate of graduation from the classical, scientific, or equivalent course of a college or university.

b. By the presentation of certificates from a college or university, or from an approved high school or preparatory school, showing the successful completion of at least fifteen high school units, which are broadly equivalent to a four year high school course. A unit represents approximately one year of study of a major subject in a high school. Applicants qualifying for admission under this requirement must be at least eighteen years of age. Those presenting high school credits only should have them certified on the blank forms which they may obtain from the Secretary of the Law School.

The fifteen units may be made up from the following subjects: (The Roman numerals indicate the year of study in the subject).

<i>Subjects</i>	<i>Units</i>
English I, II, III, IV.....	4
Latin, Elementary, I, II.....	2
Advanced, III, IV.....	2
Greek, Elementary, I, II.....	2
Advanced, III.....	1
French, Elementary, I, II.....	2
Advanced, III, IV.....	2
German, Elementary, I, II.....	2
Advanced, III, IV.....	2
Spanish, Elementary, I, II.....	2
History, Ancient.....	1
Mediaeval and Modern European.....	1
English.....	1
American.....	1
Mathematics	
Algebra, Elementary and Intermediate.....	1½
Advanced.....	½
Geometry, Plane.....	1
Solid.....	½
Plane Trigonometry.....	½
Science	
Physics.....	1
Chemistry.....	1
Physiography.....	1
Biology.....	1
Botany.....	½
Zoology.....	½
Political Economy.....	½
Civil Government.....	½

Commercial High School Subjects.

Accounting and Finance.....	1
Bookkeeping.....	1
Business Organization.....	1
Commercial Law.....	1
Commercial History.....	$\frac{1}{2}$
Commercial Geography.....	$\frac{1}{2}$
Government and Industrial Problems.....	1

II. *For the Degree of Master of Laws or Master of Patent Law.*—Candidates for these degrees must be at least twenty-one years of age and hold the degree of Bachelor of Laws from an institution substantially complying with the requirements of the Association of American Law Schools.

III. *As Special Students.*—Persons who can not qualify as candidates for a degree but are over twenty-one years of age and have had such educational training and practical experience as should enable them to pursue satisfactorily the study of law, may be admitted as special students by consent of the Dean.

ADVANCED STANDING

Students from other law schools which substantially comply with the requirements of the Association of American Law Schools will receive equivalent credit, not exceeding two years' work. Such students must have been qualified to enter this school when they began the study of law. The right is reserved to refuse such credit, in whole or part, save conditionally or after examination, and credit given may be withdrawn for poor work.

Applicants of whom examination may be required, can take the regular examinations or those held at the beginning of each academic year. (See examinations.)

No credit will be given for studies pursued in a college or high school before entering on the regular study of law, or in a law office.

SUBJECTS OF INSTRUCTION

The course of instruction extends through a period of at least three years. For the degree of Bachelor of Laws twelve hours class work a week are necessary to complete the course in three years. Ten hours a week for a year in subjects not counted towards the Bachelor's degree, are required for the degree of Master of Laws or Master of Patent Law.

The subjects marked with an asterisk are prescribed for the degree of Bachelor of Laws. The student may elect the remainder of his subjects. Third-year students may elect subjects of the second year not previously studied. The selection of the subjects must be made in all cases within ten days after the beginning of the half-year.

Students devoting their whole time to the study of law may, with the permission of the Dean, take work not exceeding fifteen hours a week. Excess credits may be applied toward the degree of Master of Laws or

Master of Patent Law. Students with substantial outside employment may not register for more than twelve hours and are urged to carry less, and to devote more than three years to the course.

FIRST YEAR SUBJECTS

*COMMON LAW ACTIONS. *Two hours first half year.* Introductory to study of law. Substantive and adjective law; courts; steps in an action; original writ; scope of formed actions; growth of new actions; development of law. *Sunderland's Cases on Common Law Pleading.* MR. COLLIER.

*CONTRACTS. *Three hours.* Simple contracts: offer, duration and termination thereof; acceptance; consideration; contracts under seal, including thereunder formalities of execution, delivery and consideration; parties affected by contracts: beneficiaries; assignees; joint obligors and obligees; performance of contracts: express and implied conditions; impossibility. *Williston's Cases on Contracts.* MR. FERSON.

CRIMINAL LAW AND PROCEDURE. *Three hours second half year.* Sources of the criminal law; intent and act; attempts; insanity as a defense; historical development of crimes and statutory changes. The arrest; bail; the grand jury; the indictment; trial; pleas; modification of early practice, and statutory changes. *Mikell's Cases on Criminal Law and Procedure.* MR. EARNEST.

*EQUITY I. *Two hours second half year.* The nature and underlying principles of equity; specific performance of affirmative and negative contracts; relief for and against third persons under contracts, especially under contracts relating to the use of land. *Ames' Cases on Equity Jurisdiction, Volume I.* MR. MCFALL.

*PERSONAL PROPERTY. *Two hours first half year.* Distinction between personal and real property; nature of and rights based upon possession; some methods of acquiring title to chattels; liens and pledges; conversion. *Warren's Cases on Property.* MR. SCHNEBLY.

PRINCIPLES OF LEGAL LIABILITY. *Two hours first half year.* Nature of an act; causation of injury; proximity or remoteness of injury as affecting tort or criminal liability of the actor; effect of interposition of other causes including natural forces and acts of animals and human beings; excuses for acts causing injury including duty, public authority, defence of person and property and consent of injured person. *Beale's Cases on Legal Liability.* MR. MCFALL.

*REAL PROPERTY I. *Two hours second half year.* Feudal tenure and incidents; estates in land; co-tenancy; future interests; seisin; creating and transferring estates; uses; incidents of ownership. *Warren's Cases on Property.* MR. SCHNEBLY.

*Prescribed Subjects.

***TORTS.** *Three hours first half, two hours second half year.* Negligence; duty of care of occupant of land toward those coming on it; trespass to the person, to real and personal property; contributory negligence; liability for fire or explosives; liability of owner of animals; deceit; libel and slander; malicious prosecution; unfair competition; strikes and lock-outs. *Pound's Cases on Torts.* Mr. VAN VLECK.

SECOND YEAR SUBJECTS

AGENCY. *Two hours.* Requisites for creation of the agency relation; power of the agent to subject the principal to tort, criminal and contract liability to third persons; responsibility of the agent to third persons; liabilities in case of undisclosed principal; duties of principal and agent inter se; delegation of powers by the agent; ratification; termination of agency. *Wambaugh's Cases on Agency.* Mr. FERSON.

***BILLS AND NOTES.** *Three hours second half year.* Form and essential requisities of negotiable instruments; delivery; indorsement; liability of maker, acceptor, drawer, indorser, and of person transferring by delivery. *Colson's Huffcut's Cases on Negotiable Instruments.* Mr. McFALL.

***COMMON LAW PLEADING.** *Two hours first half year.* The declaration, necessary allegations, separate counts, joinder of causes; pleas, the common traverse, the special traverse, the general issues, confession and avoidance, estoppel, abatement; replications; amendment, aider and replender. *Stephen on Pleading.* Mr. CLEPHANE.

DOMESTIC RELATIONS. *Two hours first half year.* Marriage, divorce and separation; personal and property rights and liabilities of husband and wife; parent and child; infancy. *Woodruff's Cases on Domestic Relations (2d ed.).* Mr. HANNA.

***EQUITY II.** *Two hours first half year.* A continuation of the study of the rules regulating specific performance of contracts including the doctrine of equitable conversion, and the more important defenses to a specific performance such as the statute of frauds, fraud, hardship, misrepresentation and concealment. *Ames' Cases on Equity Jurisdiction, Volume I.* Mr. McFALL.

EQUITY III. *Two hours second half year.* Bills of interpleader; bills of peace; bills Quia Timet; cloud on title; reformation and rescission; mistake of law and mistake of fact. *Ames' Cases on Equity Jurisdiction, Volume II.* JUSTICE STAFFORD.

EQUITY PLEADING AND PRACTICE. *One hour first half year.* Parties; process; bills; demurrers; answers; pleas; disclaimers; cross-bills; replications; amendments; practice; injunctions; receivers. *Jones on Equity Pleading and Practice.* Mr. CLEPHANE.

*Prescribed Subjects.

***EVIDENCE.** *Three hours first half year.* Judicial notice; burden of proof and presumptions; admissions and confessions; character; opinion evidence; the hearsay rule and its exceptions; the privileges and disqualifications of witnesses; the examination of witnesses; writings. *McKelvey on Evidence, Thayer's Cases on Evidence.* Mr. PETER.

INSURANCE. *Two hours second half year.* Marine, fire and life insurance; validity of the policy as affected by insurable interest; concealment; representation; warranty and other matters; rights of the insured and of the insurer under the policy; rights of assignees and beneficiaries. *Wambaugh's Cases on Insurance.* Mr. McFALL.

QUASI-CONTRACTS. *Three hours second half year.* Obligations imposed by law which are enforceable by action of assumpsit. *Thurston's Cases on Quasi-Contracts.* Mr. VAN VLECK.

***REAL PROPERTY II.** *Two hours.* Rights in another's land; profits, easements, licenses, covenants running with the land; acquisition of real estate inter vivos; accretion, adverse possession, prescription, conveying, covenants for title, estoppel by deed; dedication. *Warren's Cases on Property and Gray's Cases on Property (2d ed.), Volume III.* Mr. SCHNEBLY.

SALES. *Three hours second half year.* Subject matter of a sale of personal property; the passing of title as affected by the goods being specified or unspecified, the contract being executed or executory, the use of documents of title, and shipments c. o. d.; effect of fraud and of retention of possession; rights and remedies of the seller; rights and remedies of the buyer. *Williston's Cases on Sales (2d ed.).* Mr. COLLIER.

THIRD YEAR SUBJECTS

ADMIRALTY. *Two hours second half year.* Jurisdiction; admiralty liens; bottomry and respondentia; salvage; general average; charter parties and contracts of affreightment; marine insurance; The Harter Act; The Limited Liability Act; marine documents; procedure in admiralty. *Ames' Cases on Admiralty Jurisdiction.* Mr. STAYTON and Mr. ALDEN.

BANKRUPTCY. *Two hours second half year.* History of the law; jurisdiction and procedure in Courts of Bankruptcy and before Referees; effect upon civil litigation of bankruptcy proceedings; voidable preferences; jurisdiction over appeals, etc. Mr. BRANDENBURG.

CONFLICT OF LAWS. *Two hours.* Jurisdiction; of law over persons and things; of courts, in rem, in personam, quasi in rem, and for divorce, creation and enforcement of foreign rights; limitations and enforcement of such rights; remedies, including rights of action and procedure; par-

*Prescribed Subjects.

ticular classes of rights, including personal rights, property rights, tort rights, contract rights; administration of estates. *Lorenzen's Cases on Conflict of Laws*. Mr. VAN VLECK.

CONSTITUTIONAL LAW. *Two hours*. Legislative, executive and judicial powers; the relation of nation and states; District of Columbia and territories; the contract clause; ex post facto laws; fourteenth amendment; commerce clause, etc. *Wambaugh's Cases on Constitutional Law*. Mr. COLLIER.

*CORPORATIONS. *Two hours*. The course aims to deal with all general principles of corporation law including the corporation's relations with the state, its promoters, its stockholders, and its creditors, and the rights and obligations arising therefrom. *Warren's Cases on Corporations (2d ed.)*. Mr. COLLIER.

FEDERAL PROCEDURE. *Two hours first half year*. Source of Federal jurisdiction; the law as administered by Federal Courts; jurisdiction and procedure; appellate jurisdiction of Circuit Court of Appeals and Supreme Court of the United States; practice in Court of Claims, and other Federal Courts. Mr. BRANDENBURG.

LEGAL BIBLIOGRAPHY AND BRIEF MAKING. *One hour first half year*. Where and how to find the law; how to use decisions and statutes; trial brief; appeal brief. Judge LATIMER.

LEGAL TACTICS AND ETHICS. *One hour second half year*. Duties of attorneys; ethics; office practice; common law practice; summary judgments; attachments; examination of witnesses; appellate practice; extraordinary legal remedies. Mr. CLEPHANE.

*MOOT COURT. *Two hours*. Pleadings; trials before judge; trials before jury; extraordinary remedies; appellate work. There are three nisi prius courts, Equity, Circuit, and Criminal, and a Court of Appeals. The proceedings are conducted as in a regular court. Statements of fact are furnished the students who must determine the court in which to sue, frame their pleadings, and conduct the cases to a conclusion in accordance with the rules of actual practice. Messrs CLEPHANE AND EARNEST AND Judge LATIMER.

ORGANIZATION AND MANAGEMENT OF CORPORATIONS. *One hour second half year*. Promotion; selecting domicile; capitalization; charter; by-laws; meetings; stockholders; directors; officers; stock; bonds; voting trusts. *Clephane on the Organization and Management of Corporations*. Mr. CLEPHANE.

PARTNERSHIP. *Two hours first half year*. Formation; title to partnership property; partnership liability; rights and duties of partners inter se; rights and remedies of creditors. *Ames' Cases on Partnership*. Justice STAFFORD.

*Prescribed Subjects.

PATENT LAW (SUBSTANTIVE) AND PATENT OFFICE PRACTICE. *Two hours.* Substantive Patent Law; Subjects of patents; invention; anticipation; statutory bars; utility; parties; reissues; disclaimers; extent of monopoly; state and federal regulation; transfers of title; licenses; construing claims; infringement. Patent Office Practice; Attorneys; application papers; examinations; amendments; division; double patenting; interferences; interference practice; appeals; abandonment; renewals; public use proceedings; issue. **MR. SUTTON.**

PATENT LAW PRACTICE. *Second half year.* Trial of patent law cases in moot court. **MR. SUTTON.**

PREPARATION OF LEGAL INSTRUMENTS. *One hour second half year.* Contracts; deeds; acknowledgement and proof of deeds; mortgages and deeds of trust; leases; bills of sale; chattel mortgages; release of mortgages or deeds of trust; powers of attorney; assignments; wills. **JUDGE LATIMER.**

†**PUBLIC SERVICE COMPANIES AND THE INTERSTATE COMMERCE ACT.** *Two hours.* An introductory consideration of the rights, liabilities and duties of public service companies in general, followed by a more minute study of the duties and obligations of carriers including those of interstate carriers as regulated by the Interstate Commerce Act. *Beale's Cases on Carriers (2d ed.); Wyman's Cases on Public Service Companies (2d. ed.); Frankfurter's Cases Under the Interstate Commerce Act.*

†**SURETYSHIP.** *Two hours second half year.* Nature of the contract; kinds of suretyship; the statute of frauds; surety's defenses based on the absence, suspension, or discharge of the primary obligation, or on conduct of the creditor prejudicial to the surety-rights; effect of notice of revocation by or death of the surety; subrogation; exoneration. *Ames' Cases on Suretyship.* **MR. SCHNEBLY.**

TRUSTS. *Two hours.* The nature of a trust as distinguished from debt, bailment, equitable charge and executorship; the requisites for the creation of a trust including trustee, cestui que trust, object, consideration and the effect of the Statute of Frauds; the nature of the cestui's interest; the transfer of trust property by act of the parties, by death, by marriage, by insolvency and acts of creditors; the duties of the trustee in the administration of his trust. Resulting and constructive trusts. *Scott's Cases on Trusts.* **MR. McLAIN.**

WILLS AND ADMINISTRATION. *Three hours, second half year.* History of wills: The right to make a will; what is disposable under a will; form, execution, and attestation; revocation; who is entitled to administer upon an estate; distribution of an intestate's personalty; descent of realty; probate; letters testamentary and of administration; duties of executors and administrators. *Costigan's Cases on Wills.* **MR. SCHNEBLY.**

INTERNATIONAL LAW. *Two hours.* A course on International Law and Diplomacy offered by the Faculty of Arts and Sciences. **PRESIDENT COLLIER, ADMIRAL STOCKTON, PROFESSOR HILL.**

†Not given 1919-20.

SUMMER SESSION

A limited number of subjects are offered at the Summer Session. The purpose of this session is to lighten or supplement the work of the regular session by enabling students to take subjects usually taken in the regular session. These subjects may also be availed of to shorten the period of study for a degree. Students may begin the study of law at the Summer Session. The subjects offered in the summer session of 1920 (June 21 to August 3) will be Personal Property, Principles of Legal Liability, Domestic Relations, Equity II, Mortgages, Municipal Corporations, Quasi Contracts and Sales. See announcement of the summer session, 1920.

PUBLIC SPEAKING AND DEBATING

Excellent facilities for training in public speaking and parliamentary law are afforded by the Columbian Debating Society, which has been organized in the Law School, and meets weekly for debate. Membership in this Society is optional, but its work is encouraged by the Faculty, and students are advised to take part in its exercises.

Intercollegiate debates are also held. Membership on the teams which represent the University in these contests must be won in preliminary contests held for such purpose. These debates are conducted under the supervision of a committee of the University Faculty.

ATTENDANCE, RECITATIONS, EXAMINATIONS, GRADES, AND ELIMINATION OF STUDENTS

Attendance and Recitations.—No student, except by special permission of the Dean, will be allowed to take an examination in any subject unless he shall be regularly registered and have been in regular attendance upon the classes and have done all the work required in the course of instruction upon that subject. A student who is absent over ten per cent of the class hours in any subject will be denied credit unless his absences are excused by the Dean.

Regular Examinations.—Written examinations are held at the close of the first half-year in subjects which are then completed and at the close of the year in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean.

Grades.—At all examinations the grading of students will be indicated by the letters A, B, C, D, E, and F, representing, respectively, Excellent, Good, Satisfactory, Fair, Conditioned, and Failed. A student receiving the grade F (failed) in any subject will be required to repeat the class work. A student receiving the grade of E (conditioned) in any subject will be required to repeat the class work unless he pass the next regular examination for the removal of conditions with a grade of at least C.

Examinations for the Removal of Conditions.—Regular examinations for the removal of conditions are held during the first week of each academic

year. A special examination for the removal of conditions is held at the end of each academic year for the benefit of candidates for the Bachelor's degree who have been conditioned in not more than four hours during the first half of their last year. Application for permission to take these examinations must be made in writing to the Secretary of the Law School not later than three days before the date for which the examination is scheduled.

Elimination of Students.—Students, regular or special, whose work is unsatisfactory, are required to withdraw from the school. The instructors of the first year class are a committee to examine the students' records, with power to warn, to place on probation, and to refuse reregistration to any student whose work is deemed unsatisfactory. This committee examines the records of all students immediately after the mid-year examinations and again after the final examinations.

DEGREES

1. *Bachelor of Laws.*—The degree of Bachelor of Laws will be conferred upon regular students who have studied law for a period of at least three years and passed satisfactory examinations with an average grade of at least C on required and elective subjects aggregating thirty-six year hours, and whose attendance and conduct have been satisfactory to the Faculty.

The degree of Bachelor of Laws with distinction will be awarded students whose average percentage in all subjects is equivalent to the grade of A.

2. *Master of Laws.*—The degree of Master of Laws will be conferred upon students who have completed the work in subjects not counted for the Bachelor of Laws degree covering a minimum of ten hours a week with a grade of C or better and whose attendance and conduct have been satisfactory to the Faculty. The subject of International Law offered by the Faculty of Arts and Sciences may be counted toward this degree. The degree will not be conferred until one year after the receipt of the degree of Bachelor of Laws.

3. *Master of Patent Law.*—Students who have qualified for the degree of Master of Laws may elect instead the degree of Master of Patent Law provided that they have included in their course the Patent Law subjects and Federal Procedure. This degree will not be conferred until one year after receipt of the degree of Bachelor of Laws.

Candidates for degrees who have been absent from school for two successive years shall be entitled to continue the course only on such terms as the Faculty may prescribe at the time of re-entering.

COMBINATION SIX-YEARS COURSE FOR DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

The University permits one year of professional work in the Law School to be counted toward an academic degree. The degree of Bachelor of

Arts will be conferred on students who have completed three years of college work (45 units) including one of the four groups of subjects prescribed by Columbian College of the University, and the first year in the Law School; the degree of Bachelor of Laws on completing the whole six years of the combination course.

PRIZES

The John B. Larner Gold Medal.—A gold medal donated by Mr. John Bell Larner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class who shall have attained the highest average grade in the entire course for the degree of Bachelor of Laws. Awarded 1918-19 to Bessie Wooten Newsom.

Herrick Prize.—A prize of twenty-five dollars cash, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class, excepting the winner of the gold medal, who shall have attained the highest average grade in the entire work of the third year. Awarded 1918-19 to Howard Seaman Miller.

Blackstone Institute Prize.—A set of Modern American Law, donated by the Blackstone Institute, is awarded annually to that member of the graduating class, excepting the winner of the Herrick Prize, who shall have attained the highest average grade in the entire work of the third year. Awarded 1919-20 to Taylor Hudnall Stukes.

The Ordronaux Prize Scholarship.—A prize scholarship, known as "The Ordronaux Prize Scholarship," is awarded annually to that member of the second year class taking the regular course who shall have attained the highest average grade in the work of the second year. The recipient of this prize will be entitled to receive credit for tuition fees to the extent of one hundred dollars in his third year; library and diploma fees will remain payable. The award of this scholarship is purely personal and will not be commuted to a cash payment. The recipient of the scholarship must make use of it during the session next succeeding its award; otherwise it will be awarded to the person having the next highest grade. Awarded 1918-19 to Maxwell James.

Phi Delta Phi Prize.—The Marshall chapter of Phi Delta Phi Fraternity, which is the local chapter, offers a prize of twenty-five dollars cash, to be awarded annually to that member of the first year class taking the regular course who shall attain the highest average grade in the entire work of the year. Awarded in 1918-19 to John David Watkins.

Ellsworth Prize.—A prize of twenty-five dollars in gold, offered by Mr. Fitz von Briesen, called the "Ellsworth Prize," is awarded for the best work done by a student in the subject of Patent Law Practice. Awarded in 1918-19 to Edgar Cummings Sanborn.

John Byrne and Company Prize.—A prize offered by John Byrne and Company of Washington, D. C., of four volumes of their Legal Classics is awarded each year to the student attaining the highest grade in Real Property II. Awarded for 1918-19 to Maxwell James.

FEES

The following schedule of fees applies to all students who have matriculated in and been in attendance in the Law School prior to September 1, 1918.

1. Matriculation fee (payable once).....\$ 5
2. Library fee (payable annually one-half at the beginning of each half year)..... 3
3. Tuition fee per annum for each hour taken per week..... 10
4. Fee for graduation..... 10

The following schedule of fees applies to all students entering the Law School for the first time after September 1, 1918.

1. Registration fee (payable once upon first registration in the Law School).....\$ 5
2. Tuition fee per annum for each hour taken per week..... 12
3. Fee for graduation..... 10

No registration will be accepted for less than a half-year, and no change in the courses undertaken at the time of registration will be made unless approved by the Dean. *Students will be charged for all courses registered or until application for permission to drop them or to withdraw from the University has been made in writing to the Dean. Withdrawals during the half-year will be granted only on recommendation of the Dean and the approval of the President.*

PAYMENT OF FEES

Matriculation and library fees are due in advance. Tuition may be paid in eight monthly installments in advance, but will not be apportioned for part of a month. Students unable to pay their fees monthly in advance will be required to file an acceptable personal or corporate bond for \$200 as security for future payment. In every instance all indebtedness must be discharged on or before May 1, of the current school year. Fees are payable at the office of the Treasurer of the University, 2101 G Street, or of the Secretary of the Law School.

STUDENTS' EMPLOYMENT

The School endeavors to assist students in finding work to aid in their support. Many out-of-town students take the United States Civil Service examinations in their various states and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue the law course in the afternoon. Information concerning these examinations may be secured from the Civil Service Commission at Washington.

There are also opportunities for private employment which will help pay expenses, but the applicant must be on hand to take advantage of them. Prospective students should have the means of support for at least a half year to give them time to secure positions.

For catalogues, application blanks, and further information, address

THE SECRETARY OF THE LAW SCHOOL,
George Washington University.

PART III

STUDENTS IN THE UNIVERSITY

Names of students who have withdrawn or graduated are indicated by stars;
those who have entered since February 15, 1919, by daggers.

DEGREES CONFERRED, MISCELLANEA

STUDENTS REGISTERED IN THE DEPARTMENT OF ARTS AND SCIENCES, 1919-1920

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 1920, by daggers.

In the enumeration of undergraduate students the column of figures indicates the number of semester-hours of work taken by the student prior to the beginning of the current academic year, 1919-20, and completed without conditions, or credited on advanced standing in candidacy for a degree. In Columbian College 120 credits are required for graduation; in Teachers College, 124; in the College of Engineering, 140.

SCHOOL OF GRADUATE STUDIES

IN ATTENDANCE.

*ANDERSON, ARCHIBALD L. (Va.)	East Falls Church, Va.
Ph. B., 1900; B. E., Union College	
BEASLEY, PAULINE (Missouri)	1812 N St. N. W.
A. B., 1918, Drury College	
†BOURDEAUX, NELLIE G. (Miss.)	1908 Belmont Rd.
A. B., 1918, Mississippi Industrial Institute and College	
CARNAHAN, LINA WRIGHT (D. C.)	3606 13th St. N. W.
A. B., 1919, George Washington University	
*CARPENTER, GLENN WALTER (Ia.)	806 E St. N. E.
B. S., 1914, State University of Iowa	
*CLIFT, LINDA LEE (D. C.)	4115 7th St. N. W.
A. B., 1910, George Washington University	
DEE, JESSICA (N. Y.)	1712 17th St. N. W.
A. B., 1916, Wellesley College	
ECKMAN, JAMES ROY (Pa.)	325 Maryland Ave. N. E.
A. B., 1910, West Virginia University; A. M., 1917, Harvard University	
EVANS, EARL RADFORD (Mass.)	1518 R St. N. W.
M. E., 1918, Cornell University	
FOWLER, GLADYS (Mo.)	3351 18th St. N. W.
B. S., 1916, Kirksville State Normal	
FUSSELL, EDNA EVELYN (Fla.)	2510 M St. N. W.
A. B., 1911, Southern College, Florida	
GOLDSBY, ROBERT ECHOLS (Miss.)	431 6th St. S. W.
B. S., Mississippi College	
GUSTIN, ROBERT DANIEL (D. C.)	1802 G St. N. W.
HALL, AMY ROWENA (W. Va.)	1732 P St. N. W.
B. S., 1913, West Virginia Wesleyan University	
HAUKE, RILLA MAY (D. C.)	605 Massachusetts Ave. N. E.
A. B., 1919, George Washington University	
HENDRICKS, MARJORY EVEREST (D. C.)	2540 14th St. N. W.
A. B., 1918, University of Wisconsin	
HODGKINS, GEORGE WILSON (D. C.)	1830 T St. N. W.
A. B., 1915; A. M., 1916, George Washington University	
*JEWELL, MARY TALLULAH (Ga.)	1414 K St. N. W.
A. B. 1917, Brenau College	
KONNO, TOSABRO (Japan)	2218 18th St. N. W.
A. B., 1900, University of California; A. M., 1902, Columbia University	

- *KOTINSKY, JACOB (D. C.).....1470 Chapin St.
B. S., 1898, Rutgers College
- KUMP, MAUDE (Mo.).....1812 N St. N. W.
A. B., 1918, Drury College
- *LAMBERT, NAN SWAIN (N. C.).....915 Rhode Island Ave. N. W.
A. B., 1916, North Carolina College for Women
- LASHLEE, MARY NORMA (Tenn.).....835 Whittier St. N. W.
B. S., 1917, Cumberland University
- LINFIELD, FREDERICK BERTIL (Mont.)....3240 Interior Bldg.
B. S., 1917, Montana State College
- *MILLS, ABBOT PAIGE (Mass.).....1269 New Hampshire Ave.
A. B., 1911, Williams College; LL. B., 1914, Harvard University
- †MURPHY, ANNA LOUISE (Md.).....5346 41st St. Chevy Chase
A. B., 1918, Goucher College
- †MURRAY, MARY FRANCES (D. C.).....1317 Farragut St. N. W.
A. B., 1918, George Washington University
- OBERHELMAN, GEORGE OTTE (Ohio.).....1354 Monroe St. N. W.
A. B., 1910; A. M., 1912, Yale University
- PHILLIPS, MAX (D. C.).....1827 7th St. N. W.
B. S., 1917; M. S., 1918, University of Wisconsin
- †SABURI, SADAŌ (Japan).....1310 N St. N. W.
A. B., 1905, Imperial Japanese University
- †SCOFIELD, HELEN COLE (Wis.).....3021 O St. N. W.
A. B., 1912, University of Wisconsin
- STEVENS, LULA REDWOOD (Miss.).....Govt. Hotels, G-H Bldg.
A. B., 1914, Mississippi Industrial Institute and College
- TOBIAS, ABRAHAM (Md.).....232 6th St. S. E.
B. S. in Eng., 1916, Johns Hopkins University
- †WHITE, CHARLOTTE LUCY (N. Y.).....1385 Park Ave. N. W.
A. B., 1915, Vassar College; A. M., 1916, Radcliffe College
- WIESENBERG, WILLIAM MAURICE (N. Y.)..1479 Harvard St. N. W.
B. S., 1914, College of the City of New York; C. E., 1918, Polytechnic
Institute of Brooklyn
- *WORRELL, EVERIL (D. C.).....1436 Meridian Place
A. B., 1915, George Washington University

MASTER OF ARTS.

- ADKINS, HARTWELL STANSBURY (Md.)....642 C St. N. E.
B. A., 1908, Washington and Lee University. *Topics:* Major, History;
Minor, Political Science
- *ASGHAR, ALI (Mirza Ali Asghar Khan z.K.)
(Persia).....1513 16th St.
A. B., 1901, Ecole des Sciences Politiques a Teheran. *Topics:* Major,
Political Science; Minors, Economics; History
- BARSE, GEORGE PERCY (D. C.).....1365 B St. S. E.
A. B., 1917, George Washington University; LL. B., 1908, LL. M.,
1909, National University Law School. *Topics:* Major, History,
Minors, Commerce, Political Science
- BENNETT, RUTH HILTON (D. C.).....3420 Mt. Pleasant St.
A. B., 1919, George Washington University. *Topics:* Major, Political
Science; Minor, History
- †*BOBBITT, LINGURN BURKHEAD (D. C.)...216 11th St. S. W.
A. B., 1911, Johns Hopkins University. *Topics:* Major, English; Minor,
History
- BRANDES, WALTER CHRISTIAN (D. C.)....2032 16th St. N. W.
Ph. B., 1916, Yale University. *Topics:* Major, History; Minors, Po-
litical Science; English

- BURKE, ELLEN TERESA (D. C.) 531 Jefferson St.
A. B., 1916, George Washington University. *Topics:* Major, English;
Minors, Sociology, French
- BUTTS, (MRS.) FRANCES MOON (Va.) Business High School
A. B., 1919, George Washington University. *Topics:* Major, Education;
Minors, Education, Commerce
- CALLAHAN, DOLLY MARTHENA (Va.) 209 Duke St. Alexandria
A. B., 1919, George Washington University. *Topics:* Major, History,
Minor, Political Science
- CAMPBELL, JOHN ALVIN (D. C.) 4508 8th St. N. W.
B. L., 1904, Westminster College; Allegheny Theological Seminary.
Topics: Major, English; Minors, History
- CASTILLEJO, LINO JUAN (Philippine Is-
lands) 146 House Office
A. B. and T. D., 1919, George Washington University. *Topics:* Major,
Commerce; Minors, Commerce, Political Science
- *CHANG, KIN-FANG (China) 2312 19th St. N. W.
A. B., 1913, St. John's University, Shanghai. *Topics:* Major, History;
Minors, Economics, Commerce
- *COLE, ELTA JEAN (Ia.) 1223 15th St. N. W.
B. S., 1915, New York State College for Teachers. *Topics:*
- CONNER, LULU ELIZABETH (D. C.) 2506 K St. N. W.
A. B., 1908, George Washington University. *Topics:* Major, English;
Minor, French
- *COOK, PERSIS BELL (Kan.) 1669 Columbia Rd.
A. B., 1918, University of Kansas. *Topics:* Major, Economics; Minor,
History
- *COSTEN, ALTA (Md.) East Falls Church, Va.
A. B., 1917, George Washington University. Major, History; Minors.
Economics; History
- †COUGHLIN, MILDRED MARGARET, (Kansas) 5347 41st St. Chevy Chase.
A. B., 1918, Washburn College. *Topics:* Major, English; Minors, Com-
merce, History
- *CUMMINGS, GLADYS REX (Mass.) Gov't. Hotels, G-H Bldg.
A. B., 1914, Syracuse University. *Topics:* Major, English; Minor,
Education
- †DANIEL, ROBERT CLINTON (Va.) 629 Y. M. C. A.
A. B., 1909, Virginia Christian College. *Topics:* Major, Economics;
Minors, Commerce; Political Science
- DOLLARHIDE, DANIEL AUGUSTUS (Ark.) . . 1736 G St. N. W.
A. B., 1916, Henderson-Brown College. *Topics:* Major, Commerce;
Minors, Commerce, Political Science
- ELDRIDGE, HARRIET DAYTON (D. C.)
A. B., 1917, George Washington University. *Topics:* Major, English;
Minors, English, Education
- *ELY, CLARA HARRISON STRANAHAN (N. J.)
. 927 Farragut Square
A. B., 1911, University of Michigan. *Topics:* Major, History; Minors,
Commerce
- †ERLANDSON, RAY SANFORD (Wis.) 1304 Euclid St. N. W.
A. B., 1918, University of Wisconsin. *Topics:* Major, Education; Mi-
nors, Economics
- †FERGUSON, ELIZABETH GRIEVE (Ga.) . . . 1935 Park Rd. N. W.
A. B., 1919, Randolph-Macon Women's College. *Topics:* Major, En-
glish; Minors, Sociology, History

- GALESKI, ALEXANDRA L. (D. C.) The Mendota Apt. 76
A. B., 1918, George Washington University. *Topics*: Major, English; Art, History
- GEARE, (MRS.) DOROTHY SMALLWOOD (D. C.) 2400 16th St. N. W.
A. B., 1912, George Washington University. *Topics*: Major, English; Minors, Philosophy, Education
- GLASER, FREDA ELIZABETH (Wis.) 1447 Clifton St. N. W.
A. B., 1917, Lawrence College. *Topics*: Major, English; Minors, Sociology, Art
- GSANTNER, OTTO CARL (D. C.) 2811 24th St. N. E.
A. B., 1915, George Washington University. *Topics*: Major, English; Minors, Education, English. Degree conferred, February 23, 1920.
- HANFORD, FLORENCE LILLIAN (Conn.) 2233 Q St. N. W.
A. B., 1915, Smith College. *Topics*: Major, English; Minors, French, Political Science
- *HASLUP, ALICE ELMA (D. C.) 2114 18th St. N. W.
A. B., 1912, George Washington University. *Topics*: Major, Education; Minors, English, Spanish
- HAYWOOD, WILLIAM FRANKLIN (Texas) 413 9th St. S. E.
A. B., 1917, Howard Payne College. *Topics*: Major, History; Minors, Economics, Education
- HESTER, (MRS.) LAURA PYWELL (Va.) 1205 15th St. N. W.
A. B., 1919, George Washington University. *Topics*: Major, English; Minors, Psychology
- †HEWETT, CHARLES MADISON (Ia.) 3226 Park Place N. E.
A. B., 1917, Upper Iowa University. *Topics*: Major, English; Minors, Education, Economics
- †HILL, EDITH ESTHER (Ind.) 10 Florida Ave.
A. B., 1916, Indiana University. *Topics*: Major, Mathematics
- HOLLIS, FAYE PEARL (Kan.) 1304 Shepherd St., N. W.
A. B., 1916, Baker University. *Topics*: Major, Economics
- HOLMES, HARRY CLYDE (Kan.) 116 6th St. N. E.
LL. B., 1916, Georgetown University. *Topics*: Major, Commerce; Minors, Economics, Political Science
- HONEYCUTT, WILLIAM ELISHA (N. C.) 112 3d St. N. E.
A. B., 1919, Wake Forest College. *Topics*: Major, Sociology; Minors, Law, Political Science
- HOOVER, MERCY BEARDSLEY (Ill.) 1833 S St. N. W.
A. B., 1913, Oberlin College. *Topics*: Major, Political Science
- HOSKINS, (MISS) FRANK BYRNE (Tenn.) 4623 Georgia Ave, N. W.
A. B., 1915, Tennessee College. *Topics*: Major, History; Minors, English, Latin
- *KERN, ATTA BROOKS (Ohio) 714 18th St. N. W.
A. B., 1918, Ohio University. *Topics*: Major, German; Minors, English
- KETTLESEN, PAULINE (Ia.) 1830 Park Rd. N. W.
A. B., 1918, Cornell College. *Topics*: Major, Commerce; Minors, Economics
- *KNOWLES, MARGARET MORTON (Va.) East Falls Church, Va.
A. B., 1916, George Washington University. *Topics*: Major, English; Minors, History, English
- LEE, MARY ELIZABETH (Ark.) 2025 North Capitol St.
A. B., 1901, Ouachita College. *Topics*: Major, English; Minors, History
- †LENSKI, GERHARD EMMANUEL (Ohio) 1511 Columbia St. N. W.
A. B., 1910, Capital University (O). *Topics*: Major, Philosophy; Minors, History, Education

- LINDSEY, MERRITT EUGENE (N. Y.) 4013 14th St. N. W.
 Diploma, 1901, University of New York; B. Ped., 1902; B. S., 1904.,
 Ohio Northern University. *Topics:* Major, Economics; Minors, His-
 tory, Political Science
- LOYD, LEONILA MARIE (D. C.) 54 Manor House
 A. B., February 22, 1919, George Washington University. *Topics:*
 Major, Economics; Minors, History Political Science
- LOCKMAN, MABEL (Pa.) 1120 Rhode Island Ave. N. W.
 A. B., 1917, Wilson College. *Topics:* Major, History; Minors, Soci-
 ology
- LOYALL, JENNIE (Ga.) 1760 Euclid St. N. W.
 A. B., 1912, Wesleyan College, Ga. *Topics:* Major, Education; Minors,
 Philosophy, History
- MACE, BRICE MARTIN, JR. (D. C.) 1907 G St. N. W.
 A. B., 1908, Cumberland University. *Topics:* Major, Commerce; Mi-
 nors, Economics, History
- *MCNEAL, OTTIE (Mo.) 1409 15th St. N. W.
 A. B., 1913, University of Kansas. *Topics:* Major, English
- MENG, HSIEN-CHENG (China) 2312 19th St. N. W.
 A. B., 1916, St. John's University, Shanghai *Topics:* Major, Education;
 Minors, Philosophy, Education.
- MOORE, HARRY HASCALL (D. C.) 1659 Newton St. N. W.
 A. B., 1917, Reed College. *Topics:* Major, Education, Minors, Educa-
 tion, Sociology
- MORAN, CATHARINE REGIS (D. C.) 1727 Columbia Rd.
 A. B., 1919, George Washington University. *Topics:* Major, English;
 Minors, French, Philosophy
- NEVINS, RUBY (D. C.) 1421 Columbia Rd. N. W.
 A. B., 1917, George Washington University. *Topics:* Major, English;
 Minors, English, History
- †NORTON, FREDERICK ALOYSIUS (Mass.) . . 59 Bryant St. N. W.
 B. S., 1919, as of 1918, Harvard University. *Topics:* Major, Chemis-
 try; Minors, Economics, Preventive Medicine
- *OTTERBACK, PHILIP GRAHAM (D. C.) 3529 13th St. N. W.
 B. S., 1918, Colgate University. *Topics:* Major, Economics; Minors,
 Commerce
- †PARGOT, ISIDOR (N. Y.) 1012 C St. S. W.
 A. B., 1919, New York State College for Teachers. *Topics:* Major,
 English; Minors, Philosophy
- *PARSONS, BERITH (D. C.) 125 Willow Ave. N. W.
 A. B., 1918, George Washington University. *Topics:* Major, English;
 Minors, History
- *PHOEBUS, MILDRED ANNA (D. C.) 1925 North Capitol St.
 A. B., 1916, George Washington University. *Topics:* Major, Commerce
- †PREINKERT, ALMA HENRIETTA (D. C.) . . 1511 L St. N. W.
 A. B., 1916, George Washington University. *Topics:* Major, English;
 Minors, History
- REEVE, FELICIA ANN (D. C.) 1626 19th St. N. W.
 A. B., 1917, George Washington University. *Topics:* Major, French;
 Minors, French, Spanish
- RISTER, CARL COKE (Tex.) 1602 Brentwood Rd.
 A. B., 1915, Simmons College, Texas. *Topics:* Major, History; Minors,
 Economics, Commerce
- ROSE, HELEN MARIE CECILIA (Ill.) 1320 U St. N. W.
 Ph. B., 1919, University of Chicago. *Topics:* Major, Mathematics,
 Minors, English, Education

- *ROSENSTEIN, DAVID (N. Y.).....1860 Park Rd.
B. S., 1916, College of the City of New York. *Topics*: Major, Sociology; Minors, Economics, Philosophy
- SCHOENFELD, MARGARET HERTHA (D. C.). 3448 34th Place
A. B., 1918, George Washington University. *Topics*: Major, Economics; Minors, Economics, Political Science. (Degree of A. M. conferred, February 23, 1920).
- SCOTT, DOROTHY BERKSHIRE (D. C.).....16 Fifth St. S. E.
A. B., 1915, University of Omaha. *Topics*: Major, Chemistry; Minors, Chemistry, Bacteriology
- SHARP, IVOR (Utah).....71 Cumberland Apts.
B. S., 1917, Utah Agricultural College. *Topics*: Major, Commerce; Minors, Political Science, English
- SIMPSON, MARY KIRK (D. C.).....3404 Prospect Ave. N. W.
A. B., Grove City (Pa.) College. *Topics*: Major, Ethnology, Minors, Ethnology, French and Spanish
- SMITH, KATHERINE AMANDA (Fla.).....Govt. Hotels, E-F Bldg.
B. S., 1916, Florida State College for Women. *Topics*: Major, English
- SOULE, LIEUT. EDGAR CLARKE (Texas)....1832 Biltmore St.
A. B., 1919, University of Texas. *Topics*: Major, Commerce; Minors, Political Science, Commerce
- STEGER, MARY EVELYN (D. C.).....1906 Florida Ave.
A. B., February 22, 1918, George Washington University. *Topics*: Major, English; Minors, Education, Archaeology
- *STORY, SANDY STUART (Tenn.).....824 5th St. N. E.
A. B., 1914, Carson & Newman College. *Topics*: Major, Philosophy; Minors, English
- STRAYER, (MRS.) JEANNETTE BLANEY
(N. Y.).....Portner Apts.
A. B., 1919, George Washington University. *Topics*: Major, History; Minors, Political Science, Philosophy
- SULLIVAN, MARY RUTH (Va.).....127 3d St. N. E.
A. B., 1913, Fredericksburg College. *Topics*: Major, Philosophy; Minors, Latin, Philosophy
- SUMMY, ETHEL ISABELLE (D. C.).....1724 Kilbourne Place
A. B., 1918, George Washington University. *Topics*: Major, Education; Minors, Education, English
- TEAGUE, EUDORA ETHEL (Tex.).....1715 14th St. N. W.
A. B., 1918, Southern Methodist University. *Topics*: Major, English; Minors, Economics, Archaeology
- THOMAS, LISLE (Mich.).....1416 R St. N. W.
A. B., 1917, George Washington University. *Topics*: Major, Commerce; Minors, Law
- WARNER, HAROLD ELLSWORTH (D. C.)...914 Massachusetts Ave. N. W.
A. B., 1913, George Washington University. *Topics*: Major, Education; Minors, Economics
- WEBER, (MRS.) ANGELIA WASHBURN
(Colo.).....Carr, Colo.
A. B., 1912, Colorado State Teachers College. *Topics*: Major, Education; Minors, English, Education
- WELLS, JESSIE LANDER (Tenn.).....107 Rhode Island Ave. N. W.
A. B., 1911, University of Colorado. *Topics*: Major, Philosophy; Minors, Sociology, English
- WELTY, RAYMOND LEO (Kan.).....1008 22d St. N. W.
B. S. in Education, 1918, Kansas Fort Hayes Normal School. *Topics*: Major, History, Minors, Political Science, Commerce

- WESTCOTT, LYDIA ELIZABETH (Ky.) 1433 L St. N. W.
 A. B., 1914, State University of Kentucky. *Topics:* Major, English
- WILLIAMS, MARY FELICIA (Fla.) 1824 G St. N. W.
 A. B., 1914, Florida State College for Women. *Topics:* Major, English; Minors, English, Education
- WILLIS, (MRS.) LOIS EMMA PEIRCE (D. C.) 229 Pa. Ave. S. E.
 A. B., 1917, George Washington University. *Topics:* Major, Education; Minors, Philosophy
- WRIGHT, GRACE VIOLA (D. C.) The Montgomery
 A. B., 1919, George Washington University. *Topics:* Major, Psychology; Minors, Philosophy, Sociology
- YANG, YUNG-CHING (China) Chinese Legation
 A. B., 1910, Soochow University. *Topics:* Major, Political Science; Minors, Political Science, History. (Degree of A. M. conferred, February 23, 1920)
- YEATON, ERNEST E. (Me.) 909 13th St. N. W.
 Ph. B., 1914, Brown University. *Topics:* Major, Political Science, Minors, Economics
- YEN, EN TSUNG (China) 2015 19th St. N. W.
 A. B., 1918, Shanghai Baptist College. *Topics:* Major, Political Science; Minors, History, Philosophy
- YOUNG, (MRS.) AUGUSTA FREEMAN (N. D.) 1830 16th St. N. W.
 A. B., October, 1918, George Washington University. *Topics:* Major, English; Minors, History, Art

MASTER OF SCIENCE.

- BASS, NATHAN WOOD (Kan.) 706 20th St. N. W.
 B. S., 1917, Kansas Agricultural College. *Topics:* Major, Geology; Minors, Geology Zoology
- *BISCHOFF, HENRY WILLIAM (N. Y.) 2926 Upton St.
 E. E., 1916, Columbia University. *Topics:* Major, Electrical Engineering; Minors, Physics, Chemistry
- BOONE, PEARL VIRGINIA LEE (D. C.) U. S. National Museum
 A. B., 1919, George Washington University. *Topics:* Major, Zoology; Minors, Geology
- †BROWN, JOHN STAFFORD (Mo.) 1909 G St. N. W.
 B. S., 1917, Missouri School of Mines. *Topics:* Major, Geology
- BUCHANAN, RUTH (Pa.) 1822 I St.
 B. S., 1919, University of Pittsburgh. *Topics:* Major, Chemistry; Minors, Bacteriology, Preventive Medicine
- BURRITT, LOREN (D. C.) 1855 Calvert St.
 B. S., 1917, Maryland State College. *Topics:* Major, Chemistry; Minors, Bacteriology, Chemistry
- CORBITT, HUGH BLAKE (Wash.) Hygienic Laboratory
 B. S., 1913, University of Washington. *Topics:* Major, Chemistry; Minors, Chemistry
- CORLEY, WILLIAM ANGUS, LIEUT.-COMDR., U. S. N. 507 Florence Court
 Grad., U. S. Naval Academy, 1912. *Topics:* Major, Chemistry; Minors, Chemistry
- CULLEN, ELIZABETH ORLAN (D. C.) 307 B St. N. E.
 A. B., 1918, George Washington University. *Topics:* Major, Geology
- DAUBNEY, ROBERT (England) 1807 California St.
 M. R. C. V. S., 1913, Royal College of Veterinary Surgeons. *Topics:* Major, Zoology; Minors, Zoology, Pathology

- EVANS, MORGAN WILLIAM (O.).....North Ridgeville, O.
B. S. A., 1906, Cornell University. *Topics:* Major, Botany, Minors,
Zoology, Chemistry
- FISCHER, HERMAN EDWARD, LIEUT.-
COMDR., U. S. N.....1830 16th St.
Grad., U. S. Naval Academy. *Topics:* Major, Chemistry; Minors,
Chemistry
- FOSTER, MARGARET DOROTHY (D. C.)...2112 F St. N. W.
A. B., 1918, Illinois College. *Topics:* Major, Chemistry
- GERSDORFF, WILBUR AUGUST (D. C.)....1825 North Capitol St.
B. S. in Chemistry, George Washington University. *Topics:* Major,
Chemistry; Minors, Geology, Ethnology
- *GULLICKSON, THOR WILLIAM (D. C.)....114 Park Ave. Takoma Pk., D.C.
B. S., 1918, University of Minnesota. *Topics:* Major, Economics
- HAMILTON, BONIFANT (D. C.).....3135 24th St. N. E.
B. S., 1918, George Washington University. *Topics:* Major, Chemistry;
Minors, Chemistry, Bacteriology
- HAYES, MURRAY OSWALD (D. C.).....719 A St. N. E.
A. B., 1914, Brigham Young University. *Topics:* Major, Geology;
Minors, Geology, Education
- *HEMMINGS, HARRY HOWARD (N. Y.)....611 Y. M. C. A.
C. E., 1917, Cornell University. *Topics:* Major, Applied Mathematics;
Minors, Mathematics, Physics
- JOHNSON, OTTO THEOPHILUS (Vt.).....3545 13th St. N. W.
B. S. in E. E., 1914, University of Vermont. *Topics:* Major, Physics
and Electrical Engineering; Minors, Philosophy
- LEWIS, OLLIE LEE (Ky.).....U. S. Weather Bureau
A. B., 1917, George Washington University. *Topics:* Major, Physics;
Minor, Applied Mathematics
- MEISINGER, CLARENCE LE ROY (Neb.)...3331 Stephenson Place
Chevy Chase, D. C.
B. S., 1917, University of Nebraska. *Topics:* Major, Meteorology;
Minors, Meteorology, Astro-Physics
- MERRITT, GEORGE ERNEST (D. C.).....3631 35th St. N. W.
A. B., 1913, Pomona College. *Topics:* Major, Physics; Minors, Mathe-
matics
- MIN, HSIAO WEI (China).....Chinese Legation
B. S., 1916 Peiyang Government University. *Topics:* Major, Mechan-
ical Engineering; Minors, Geology, Geology. (Degree of M. S. con-
ferred, February 23, 1920).
- MOULTON, STANLEY CHENEY (Va.).....348 Bureau of Plant Industry
B. S., 1918, University of Virginia. *Topics:* Major, Chemistry; Minors,
Chemistry, Mathematics
- PALEY, LEWIS ADOLPHUS (Ia.).....259 W. 112th St. N. Y. City
B. S. in Chemistry, 1917, George Washington University. *Topics:*
Chemistry; Minors, Chemistry, Engineering
- *PETTYJOHN, OTHO ALBERT (Okla.).....622 Eye St. N. W.
A. B., 1917, Oklahoma University. *Topics:* Major, Chemistry; Mi-
nors, Chemistry, Preventive Medicine
- PHILLIPS, GEORGE WASHINGTON (D. C.)...612 18th St.
B. S. in Chemistry, February 22, 1917; George Washington University.
Topics: Major, Chemistry; Minors, Chemistry, Physics
- *SCHUNK, OLIVER HENRY (Wis.).....2926 Newark St.
B. S., 1917, University of Wisconsin. *Topics:* Major, Chemistry
- †SMITH, BENJAMIN HARRISON (Ind.).....1819 G St. N. W. Apt. 606
A. B., 1917, Wabash College. *Topics:* Major, Botany; Minors, Zoology,
Economics

- STEEVER, LAURA WINFIELD (D. C.).....2106 F St. N. W.
 B. S., 1911, George Washington University. *Topics:* Major, Preventive Medicine; Minors, Education, Sociology
- *STINE, RALPH EDWARD (Pa.).....1849 Ontario Pl. N. W.
 A. B., 1919, Pennsylvania College. *Topics:* Major, Chemistry; Minors, Physics, Mathematics
- WEEKS, DOROTHY WALCOTT (D. C.).....3461 Lowell St.
 A. B., 1916, Wellesley College. *Topics:* Major, Electrical Engineering; Minors, Physics
- WHITSON, ALICE IVA (N. C.).....1209 Otis Place N. W.
 B. S., 1912 North Carolina State College for Women. *Topics:* Major, Bacteriology; Minors, Chemistry
- WILLIS, WARREN JENNISON (Minn.).....Hydrographic Office
 Grad., 1912, U. S. Naval Academy; A. B., February 22, 1918; A. M., 1919, George Washington University. *Topics:* Major, Electrical Engineering; Minors, Chemistry
- WRIGHT, CARLETON HERBERT, LIEUT.-
 COMDR., U. S. N. 1436 R St. Apt. 32
 Grad., 1912, U. S. Naval Academy. *Topics:* Chemistry; Minors, Chemistry
- YOUNG, JAMES LAWRENCE (D. C.).....
 B. S. In Chemistry, 1917, George Washington University. *Topics:* Major, Chemistry; Minors, Chemistry, Physics

CIVIL ENGINEER.

- ASMUS, LEWIS DURAND (N. J.).....310 11th St. N. E.
 B. S. in C. E., 1918, Drexel Institute. *Topics:* Major, Civil Engineering; Minors, Geology, Mechanical Geology
- DAVIS, WATSON (D. C.).....1418 Rhode Island Ave. N. W.
 B. S., 1918, George Washington University. *Topics:* Major, Civil Engineering; Minors, Geology, Economics
- *HOWELL, BEAUDRIC LA FITTE (Va.)....818 Union Trust Bldg.
 C. E., 1910, University of Virginia. *Topics:* Major, Sanitary Engineering
- KESSLER, DANIEL WILLIAM (D. C.).....221 Prospect Place
 B. S. In C. E., 1908, University of Missouri. *Topics:* Major, Civil Engineering; Minors, Geology, Mineralogy

MECHANICAL ENGINEER.

- HEALD, ROY HAINES (D. C.).....5823 Colorado Ave. N. W.
 B. S. in M. E., 1919, George Washington University. *Topics:* Major, Mechanical Engineering; Minor, Commerce

DOCTOR OF PHILOSOPHY.

- ANDERSON, MYRON SALLEE (D. C.).....1440 W St. N. W.
 A. B., 1913, Simpson College; M. S., 1916, Iowa State College. *Topics:* Major, Chemistry; Minors, Geology, Chemistry
- BENNETT, RALPH CULVER (N. Y.).....New Willard Hotel
 A. B., 1906; A. M. and LL. B., 1909; D. C. L., 1912, Yale University.
Topics: Major, Political Science; Minors, Law, History
- *BEVARD, KATHERINE HARPER (Pa.).....1423 R St. N. W.
 A. B., 1911; A. M., 1913, George Washington University. *Topics:* Major, Education; Minors, Education, English

- CAMERON, JOHN JOSEPH (Conn.) 2715 P St. N. W.
A. B., 1915, Yale University. *Topics*: Major, Political Science; Minors, Economics
- CAVINESS, LEON LESLIE (Md.) 721 Carroll Ave. Tak. Pk., Md.
A. B., 1906 University of Michigan; A. M., 1913, University of Nebraska.
Topics: Major, Semitics; Minor, Education
- CHAPIN, EDWARD ALBERT (Mass.) 1358 B St. S. W.
Ph. B., 1916; Yale University; M. S., 1917, Massachusetts Agricultural College. *Topics*: Zoology; Minors, Zoology, Geology
- CHU, KING (China) 2108 H St. N. W.
A. B., February 22, 1919; A. M., 1919; George Washington University.
Topics: Major, Political Science; Minors, Education, Political Science
- DONK, PETER JOHN (D. C.) 1706 F St. N. W.
B. S. in Chemistry, 1917, George Washington University. *Topics*: Major, Bacteriology; Minors, Bacteriology, Chemistry
- ELVOVE, ELIAS (D. C.) 1228 H St. N. E.
B. S., 1903; M. S., 1904, University of Kentucky; Phar. D., 1910, George Washington University. *Topics*: Major, Chemistry; Minors, Pharmacology, Physiology. (Degree of Ph. D. conferred February 23, 1920.)
- FAY, DUDLEY WARD (N. Y.) Hotel Arlington
A. B., 1907, Williams College. *Topics*: Major, Psychology; Minors, Psychiatry, Neuro-Pathology
- GARBER, JOHN ABSALOM (Va.) 204 4th St. S. E.
A. B., 1891, Bridgewater College; A. M., 1915, George Washington University. *Topics*: Major, Education; Minors, Sociology, Philosophy
- GARBY, CARL D. (Idaho) Bureau of Chemistry
B. S. in Chemical Engineering, 1914, University of Idaho. *Topics*: Major, Chemistry; Minors, Physics, Geology
- GIDLEY, JAMES WILLIAMS (D. C.) 1339 Meridian Place
B. S., 1888; M. S., 1890, Princeton University. *Topics*: Major, Paleontology; Minors, Economic Geology, Zoology
- GRANT, DUDLEY HOPKINS (O.) Bureau of Chemistry
B. S., 1914, University of Chicago; M. S., 1917, George Washington University. *Topics*: Major, Chemistry; Minors, Preventive Medicine, Geology
- HENRY, JERRY MAURICE (Va.) 337 North Carolina Ave. S. E.
A. B., 1909, Bridgewater College; A. M., February 22, 1919, George Washington University. *Topics*: Major, Education; Minors, Economics, History
- HOBBS, EWART WILLIAM (D. C.) 2111 18th St.
LL. M., 1910, National University Law School; A. B., 1916, A. M., 1917, George Washington University. *Topics*: Major, Philosophy, Minors, Philosophy, English
- *JOHN, OTTO MARION (Ill.) 719 Carroll Ave. Tak. Pk. D. C.
A. B., 1908, Union College; M. S., 1917, George Washington University. *Topics*: Major, Chemistry, Minors, Zoology, Bacteriology.
- KAYSER, ELMER LOUIS (D. C.) 3129 O St. N. W.
A. B., 1917; A. M., 1918, George Washington University. *Topics*: Major, History; Minor, Political Science
- *KITICH, ZHIVOIN (Serbia) 1322 L St. N. W.
LL. B., National University Law School. *Topics*: Major, Economics; Minors, Law, Philosophy
- LENNON, MARQUIS LAFAYETTE (Tenn.) 1229 6th St. N. W.
A. B., 1912, Union University; M. A., 1919, George Washington University. *Topics*: Major, Education; Minors, Political Science; Sociology

- McARTHUR, LOUIS EUGENE (Utah).....2112 F St. N. W.
 B. Ped., 1897, Brigham Young University; A. B., 1916; A. M., 1917,
 George Washington University. *Topics*: Major, Political Science; Mi-
 nors, History, Economics
- MAGNUSON, HARRY PETER (Neb.).....1518 R St. N. W.
 B. S. in Agriculture, 1916, University of Nebraska. *Topics*: Major,
 Chemistry; Minors, Chemistry, Botany
- MOORE, FRANK DEANE (D. C.).....1324 Euclid St.
 A. B., 1918; A. M., October, 1919, George Washington University.
Topics: Major, Geology; Minors, Chemistry, Ethnology
- MOREHOUSE, ALANSON DAVID (D. C.)....1526 O St. N. W.
 M. E., 1893, Cornell University. *Topics*: Major, Hydraulic Engineering;
 Minors, Economics, Meteorology
- MUERMAN, JOHN CHARLES (D. C.).....1701 Park Rd.
 A. M., 1916, George Washington University. *Topics*: Major, Educa-
 tion; Minors, Education, Sociology
- PIERCE, ROY CLIFFORD (Neb.).....6813 5th St. Tak. Pk. D. C.
 A. B., 1907; B. S., 1907, University of Nebraska, M. S., 1908, Univer-
 sity of Michigan. *Topics*: Major, Botany; Minors, Botany, Zoology
- RAINE, WENDELL PHILLIPS (D. C.).....1731 S St. N. W.
 B. S. in E., 1907; M. A., 1911, University of Pennsylvania. *Topics*:
 Major, Commerce; Minors, Political Science, Sociology
- ROE, JOSEPH HYRAM (Va.).....2823 14th St. N. W.
 A. B., 1916, Roanoke College; A. M., 1917, Princeton University. *Top-
 ics*: Chemistry
- SAFFORD, WILLIAM EDWIN (D. C.).....3339 Mt. Pleasant St.
 Grad., 1880, U. S. Naval Academy. *Topics*: Major, Botany; Minors,
 Anthropology, Zoology
- SALISBURY, ELON GALUSHA (D. C.).....127 Carroll St. Tak. Pk. D. C.
 B. S., 1911, Union College; A. M., 1917, George Washington University.
Topics: Major, Education; Minors, Philosophy, Sociology
- †SAUNDERS, ELEANORA BENNETTE (S. C.)..St. Elizabeth's Hospital
 B. S., 1901, Chicora College; M. D., 1907, Medical College of South Caro-
 lina. *Topics*: Major, Psychology (Abnormal); Minors, Psychology,
 Psychiatry
- SCHMITT, WALDO LASALLE (D. C.).....2233 18th St. N. W.
 B. S., 1913, George Washington University; A. M., 1916, University
 of California. *Topics*: Major, Zoology; Minors, Zoology, Paleon-
 tology
- SCHWARTZ, BENJAMIN (D. C.).....1440 Meridian Place N. W.
 A. B., 1911, College of the City of New York; A. M., 1913, Columbia
 University. *Topics*: Major, Zoology; Minors, Bacteriology
- SHINN, ERWIN HENRY (Ark.).....1735 F St. N. W.
 A. B., 1910, Arkansas University; B. S., 1916, Oklahoma Agricultural
 and Mechanical College; A. M., 1919, George Washington University.
Topics: Major, Education; Minors, Agricultural Education, Sociology
- SNYDER, THOMAS ELLIOTT (D. C.).....1430 V St. N. W.
 A. B., 1907, Columbia University; M. F., 1909, Yale University. *Top-
 ics*: Major, Zoology; Minors, Zoology, Paleontology. (Degree of Ph.
 D. conferred, February 23, 1920.)
- WARSHOW, HERMAN (N. Y.).....1210 Euclid St. N. W.
 A. B., 1916; A. M., 1917, Cornell University. *Topics*: Major, Econom-
 ics; Minors, Sociology, Commerce

- WETMORE, ALEXANDER FRANK (D. C.)....1912 Hamlin St. N. E.
 A. B., 1912, University of Kansas; M. S., 1916, George Washington University. *Topics*: Major, Zoology; Minors, Zoology, Paleontology. (Degree of Ph. D. conferred February 23, 1920.)
- WILKINSON, OSCAR (Miss.).....1408 L St. N. W.
 Ph. B., University of Mississippi; M. A., Columbia University; M. D., Tulane University. *Topics*: Ophthalmology

COLUMBIAN COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

ABELL, EMMA B. (0)	Pa.	1363 Park Road
ADAMS, JAMES MARRIL RYLAND (113)	D. C.	905 8th St.
ADAMS, LESLIE HAROLD (78)	D. C.	1637 Harvard Terrace
AIKEN, CAROLYN BACOME (30)	Tenn.	1845 North Capitol St.
AIKEN, SAM BACOME (25)	Tenn.	1845 North Capitol St.
ALEXANDER, MABEL C. (10)	Wash.	2106 F St.
ALLEN, RUTH FRANCES (86)	D. C.	1460 Monroe St.
ALLEN, WALTER RUDOLPH (12)	N. Y.	927 E St. N. E.
ALSEEN, MYRTLE F. C. (45)	Minn.	1465 Meridian Place
AMAN, JOHN ANDREW (101)	Md.	Mt. Rainier, Md.
AMUNDSON, CHARLES E. (0)	Minn.	1225 L St.
ANDERSON, EDITH A. (12)	Ill.	1305 Conn. Ave.
ANDERSON, NELL TRABUE (0)	D. C.	1536 16th St.
ANDERSON, ROBERT NELSON (63)	Va.	60 Randolph Place
ANDERSON, RUTH VIRGINIA (12)	D. C.	60 Randolph Place
ANDERSON, WALTER IRWIN (0)	Pa.	Cherrydale, Va.
ANDREWS, ALICE (6)	Ohio	625 G St. S. W.
ARNOLD, ROSEMARY (40)	D. C.	24 Second St. N. E.
ASHFORD, ALICE MAY (0)	N. Y.	924 C St. N. E.
ATEN, RALPH PRESSLEY (0)	D. C.	1432 Meridian St.
*AULTMAN, EDITH H. (24)	D. C.	The Northumberland
AUSTIN, VIOLET K. (0)	Md.	122 Willow Ave. Takoma Park, Md.
AYRES, KATHRYN ELIZABETH (30)	D. C.	The Portner
AYRES, MARGARET ELEANOR (30)	D. C.	The Portner
BAER, JOHN L. (93)	Pa.	The Maury
*BAINES, THELMA A. (0)	D. C.	156 R St. N. E.
*BAKER, SUSIE VAUGHAN (12)	Va.	49 Bryant St.
BALDWIN, ALICE (0)	D. C.	1804 Kilbourne Pl.
BALL, CHARLES OLIN (100)	Kansas	1739 H St.
*BALLARD, EULA MAY (0)	Texas	712 F St.
BALLINGER, WILLIAM McCORMICK (72)	D. C.	1489 Newton St.
†BARKSDALE, ALICE ASHTON (0)	D. C.	1752 Euclid St.
BARLOW, RUTH GERALDINE (0)	D. C.	1434 Q St.
BARROW, MARY GLADYS (0)	D. C.	1013½ I St. N. E.
BARTLETT, BARBARA ELIZABETH (6)	D. C.	1929 Lawrence St.
BASSECHES, JACOB THOMAS (91)	N. Y.	1814 Riggs Pl.
BAUER, EMMA BARBOUR (2)	Pa.	1235 Girard St.
BECKETT, EDGAR WELLS (21)	D. C.	710 Quincy St.
BEECH, ROZIER JAMES (0)	D. C.	1662 Park Road

BEHREND, HENRIETTA (42)	D. C.	Route A, Box 163, Anacostia Station
BELCHER, JOSEPH WARREN (0)	D. C.	178 U St. N.E.
†BENDER, LEO (0)	Md.	Silver Spring, Md.
BENFER, MARY CELIA (0)	D. C.	3009 17th St. N. E.
BENNETT, AVA L. (32)	Ohio	U. S. Nat. Museum
BENNETT, FLORENCE MABELLE (0)	D. C.	4411 Iowa Ave.
BENNETTS, ELLA MILDRED (87)	Wis.	1941 First St.
BENTLEY, HELEN E. (0)	N. Y.	I-K Bldg. Govt. Hotels
BERLINER, ALICE ELIZABETH (12)	D. C.	1458 Columbia Road
BERMAN, LOUIS H. (0)	D. C.	813 4½ St.
BERNSTEIN, SAMUEL (0)	D. C.	601 Second St. S. W.
BERRYMAN, FLORENCE SEVILLE (24)	D. C.	1754 Euclid St.
*BEULAR, MELBOURNE EARNEST (5)	Texas	1333 15th St.
BLAKE, NELSON MOREHOUSE (0)	Md.	Hyattsville, Md.
BLANTON, THOMAS LINDSAY, JR (0)	Texas	223 East Capitol St.
BLEIKER, ROSS FRANKLIN (40)	Mo.	2123 F. Street
BOARDMAN, LEONA (0)	Ohio	1220 North Carolina Ave.
*BOCKOVAC, JOSEPH LORENZ (0)	Md.	653 Pa. Ave. S. E.
BOHNE, EMIL F. (0)	Ind.	914 22nd St.
BOND, SAMUEL HAZEN (0)	D. C.	4525 Kingle St.
BONEBRAKE, HELEN L. (6)	D. C.	5210 Illinois Ave.
*BOSTWICK, ELMER PATTON (92)	Ohio	1803 G St.
*BOSWELL, MARGARET BRAINERD M.	D. C.	238 New Jersey Ave.
*BOUCHER, HIRAM A. (0)	Minn.	House Office Bldg.
BOUCHER, PAULINE E. (14)	D. C.	515 E. Wardman Courts
BOWEN, GEORGE LOVERIDGE (24)	Kans.	1829 19th St.
BOWEN, MARY ELIZABETH (0)	D. C.	1654 Hobart St.
BOX, MARY M. (34)	Texas	3737 Kanawha St. Chevy Chase, D. C.
BOYD, SUE HUNT (103)	N. C.	2006 G St.
*BOYD, VERNON JEROME FORD (0)	N. Dak.	612½ 22d St.
*BOYNTON, MARCIA (6)	Ohio	328 13th St. N. E.
BRADLEY, MARY M. (70)	Ga.	2311 Ontario Road
BRANNEN, FLORENCE (0)	Ga.	1337 Park Road
BRASELL, MARY LOUISE (73)	Miss.	1834 K St.
BRAZEROL, KATHERINE BEATRICE (15)	D. C.	1233 11th St.
BREUNINGER, MIRIAM ROBIN (30)	D. C.	5700 16th St.
BREWER, MARGARET GRANT (0)	Md.	College Park, Md.
BRIDGES, ILDRIA (31)	Ill.	1328 South Carolina Ave.
BROADDUS, ETTIENETTE H. (0)	Va.	Arlington, Va.
BROMBERG, JOHN LOUIS (17)	Ala.	Senate Office Bldg.
*BROWN, DESIRE (30)	Tenn.	1307 P St
BROWN, EARL (0)	D. C.	2033 F St.
BROWN, ERMA (57)	Mo.	Cavendish Apts.
*BROWN, ESTELLA E. (36)	Md.	3475 14th St.
BROWN, FRANCES ISABELLA (0)	D. C.	4606 15th St.
BROWN, LOIS (0)	Texas	714 18th St.
BROWN, WAGER SWAYNE (110)	D. C.	2827 28th St.
BROWNE, THOMAS (116)	D. C.	231 9th St. N. E.

*BROWNING, ELLA		
CAWTHORN (0)	Md.	1402 Delafield St.
BRUNER, KENNETH H. (0)	D. C.	519 Harvard St.
BRYAN, CAROLYN NAOMI (10)	D. C.	1906 Florida Ave.
*BRYANT, CHARLES ODELL (0)	Tenn.	606 22d St.
BUCHMAN, EVA REBECCA (57)	Iowa	1804 G St.
BUCKINGHAM, ETHEL R. (6)	D. C.	2570 University Pl.
BUCKINGHAM, WELLS		
SACKETT (0)	D. C.	The Portner
BURDICK, BERNARD		
FRANKLIN (10)	Ala.	1739 P St.
*BURG, ROBERT EDWARD (0)	D. C.	Soldier's Home Hospital
BURGESS, HARRIETT LENORE (0)	D. C.	1819 Hamlin St. N. E.
BURKINSHAW, THOMAS J. (0)	Conn.	The Marlborough 918 18th St.
BURRUS, JOHN W. (62)	N. C.	Y. M. C. A.
BURSLEY, HARRY C. (0)	D. C.	57 R St. N. E.
BURTON, OLIVER E. (39)	W. Va.	55 T St. N. E.
†BUTKIEWICZ, JOHN K. (122)	D. C.	1335 H St.
†BUTLER, CHARLES CLAUD (0)	D. C.	3435 Oakwood Terrace
†BUTLER, GEORGE HENRY (0)	N. Dak.	612½ 22d St.
BUTLER, MARION, JR. (39)	D. C.	2200 R St.
†BUZBEE, J. QUINTIN (94)	Ala.	112 3d St. N. E.
CABLER, CLEVELAND (130)	Ark.	1100 Vermont Ave.
CALL, ALDEN A. (0)	D. C.	3612 Newark St.
*CAMPBELL, KATHLEEN RAY (86)	Va.	The Concord
CAMPBELL, LOIS ELIZABETH (0)	Pa.	5611 14th St.
*CAMPBELL, RUTH L. (0)	Calif.	1820 K St.
CARLE, HERBERT M. (22)	Ohio	611 22d St.
CARR, ELMA BEBEE (106)	Ky.	Department of Labor
CARTMELL, LEON E. (85)	Miss.	502 B St. N. E.
CASTLE, WANDA R. (0)	Texas	1827 I St.
CATES, RONALD EDWARD (10)	Iowa	1739 P St.
CATHCART, PAUL HAMILTON (104)	Va.	Ballston, Va.
CERCEO, A. VICTOR (0)	D. C.	110 E St.
CHACE, MARJORIE (15)	D. C.	5300 Belt Rd., Chevy Chase, D. C.
†CHANDLER, ROBERT CARSWELL (0)	Ga.	2002 G St.
CHAPIN, MABEL HEATH (0)	D. C.	815 A St. N. E.
CHASTAIN, LOUIS P. (0)	D. C.	723 Carroll Ave., Takoma Park, D. C.
CHEEK, ELSIE CAROLYN (0)	D. C.	54 V St.
CHEYNEY, WILLIAM JAMES (69)	Va.	Rosslyn, Va.
CHURCH, EARLE R. (36)	Mich.	R. F. D., Silver Spring, Md.
CLARK, HELEN ANGELA (0)	D. C.	1818 Kalorama Rd.
CLARK, WALDO APPLETON (0)	D. C.	1778 Lanier Pl.
CLARKE, CORNELIA PHILLIPS (0)	Md.	Hyattsville, Md.
CLINE, ROBERT C. (0)	Va.	McLean, Va.
*CLOVER, NINA (0)	Okla.	1669 Columbia Rd.
COCHRAN, DORIS MABLE (100)	D. C.	2027 1st St.
*COHEN, ELIZABETH (0)	N. J.	2914 11th St.
COHEN, SAM J. (63)	D. C.	617 K St.
COLEMAN, DONALD GEORGE (85)	Kans.	1762 U St.
†COLFLESH, ROBERT W. (0)	Iowa	615, Y. M. C. A.
COMLEY, LORNE C. (0)	Va.	Cherrydale, Va.
CONLON, NORMAN A. (0)	D. C.	3540 11th St.

COOPERMAN, HATTIE (68)	Iowa	2510 M St.
CORN, HERBERT FREDERICK (0)	Ill.	1100 Vermont Ave.
*COSTELLO, MARY E. C. (0)	N. Y.	117 R St.
COTTRELL, CASPER LEHMAN (101)	Pa.	2140 G St.
COUGHLIN, ELVA E. (84)	D. C.	5346 41st St., Chevy Chase, D. C.
COYNE, GLADYS DALE (0)	Ind.	The Monmouth
*CRAIGHEAD, RUTH H. (0)	Mass.	1849 Mintwood Pl.
CRATON, MARGARET ELIZABETH (0)	D. C.	1410 Girard St.
†CRAWFORD, MARVIN (0)	Miss.	318 B St. S. E.
CROGGON, WILLIAM NEWTON (13)	D. C.	1460 Newton St.
CROMER, KENNETH (6)	Va.	1218 11th St.
†CROSS, IDA CHACE (0)	Mass.	709 Shepherd St.
*CUDDIHY, M. ISADORE (0)	Mich.	Colorado Apts.
†CUMMINGS, FLORENCE (103)	D. C.	1333 Valley Pl. S. E.
*CUTTS, LAURA LOUISE (78)	Wash.	1723 35th St.
DAHL, ANNA (0)	Iowa	624 H St.
DAHL, MYRA (0)	Iowa	624 H St.
DAKE, LUCY RAMONA (0)	Va.	Cherrydale, Va.
DANIEL, JULIA IRENE (80)	D. C.	512 Randolph St.
DARBY, ROY L. (0)	Iowa	523 Shepherd St.
DAVIS, GRAHAM LEE (0)	N. C.	Y. M. C. A.
†DAY, HELEN MARIE (0)	D. C.	2014 North Capitol St.
DEAN, MINNIE F. (2)	D. C.	1778 Lanier Pl.
DEAN, WAIVA A. (44)	Oreg.	1937 Park Rd.
DEBRODES, PAULINE (0)	D. C.	The Portner
DEFREES, RAYMOND G. (114)	Iowa	2425 North Capitol St.
DEGRANGE, FRANCES E. (0)	D. C.	25 U St. N. E.
DEJERSEY, VIOLET L. (0)	Mo.	1342 Vermont Ave.
DEMENT, CHARLES WILLIAM (12)	D. C.	1348 Parkwood Pl.
*DENTON, DOTTIE ADELE (0)	Tenn.	1531 Vermont Ave.
DICKEY, FREDERICK MORSE (81)	Pa.	1441 Pennsylvania Ave. S. E.
DIX, ORILEE ELIZABETH (16)	D. C.	3328 O St.
DODEK, SAMUEL MAYER (0)	D. C.	1360 Spring Rd.
DOKE, LULA C. (6)	D. C.	1824 G St.
DONLEAVY, MARY AGNES (0)	Vt.	1524 L St.
DOYLE, BLANCHE GLEASON (0)	D. C.	4901 13th St.
DROWN, MARION JULIA (30)	D. C.	1027 12th St.
DUBOSE, WILLIAM J. (14)	D. C.	1850 Kalorama Rd.
DUGGAN, JAMES HENRY (0)	Ga.	1108 13th St.
*DUNAGAN, LAURA L. (0)	Ga.	2118 O St.
*DUVALL, ELIZABETH VAN HORN (0)	D. C.	304 9th St. N. E.
EARNEST, ELIZABETH (30)	D. C.	2123 N St.
EARNEST, JOHN PAUL, JR. (91)	D. C.	2123 N St.
EARNSHAW, ELEANORE ALLISON (61)	D. C.	224 8th St. S. E.
EARNSHAW, SAMUEL WILSON (15)	D. C.	224 8th St. S. E.
EBLING, SAMUEL GALE (105)	Ohio	2127 G St.
ECKEL, ARTHUR FREDERICK (22)	Ill.	Bureau of Standards
ECKERT, ESTHER AGNES (6)	D. C.	3042 Newark St.
*EDGERTON, DAISY (0)	D. C.	1016 Massachusetts Ave.
EDMONDS, RALPH MILO (0)	D. C.	1904 Jackson St. N. E.
EDWARDS, MARION J. (0)	D. C.	118 14th St.
*EHRET, RUTH G. (0)	N. J.	X-Y Bldg., Govt. Hotels
EINSTEIN, MAY BLANCHE (101)	D. C.	619 19th St.

ELDRIDGE, FRANK R., JR. (21)	D. C.	218 Park Ave., Takoma Park, D. C.
ELLIOTT, EDWIN BOYD (0)	D. C.	3708 Oliver St.
ELLIOTT, JOHN PLUMMER (0)	Md.	1843 Calvert St.
ELLIS, JAMES F. (0)	Ala.	24 Grant Pl.
ELLIS, LEE E. (0)	Ala.	24 Grant Pl.
*ELMQUIST, JEAN GEMMEL (64)	D. C.	2844 Wisconsin Ave.
ELY, MARY HANFORD (0)	Pa.	1720 H St.
*ENGELBERT, ARCHIBALD L. (0)	Wis.	Camp Humphreys, Va.
*ENYART, ALTA MARIE (20)	D. C.	2120 G St.
†ERBACH, AMALIA MARIE (0)	D. C.	713 Massachusetts Ave. N. E.
ERIKSON, BERNHARD E. (104)	Ill.	2112 F St.
George Washington University, D. D. S., 1919		
ESPEY, ANNA LOUISE (0)	D. C.	2010 1st St.
EVANS, ROSE E. (0)	Pa.	Vandling, Pa.
FALLS, CHARLES D. (0)	Ind.	1858 Mintwood Pl.
FARRELL, THOMAS FRANCIS (24)	Mass.	1908 H St.
FENTON, ANNA B. (0)	Nebr.	1306 Girard St.
†FLAHERTY, PAUL (0)	Mass.	1762 N St.
FLISHER, LEONORA V. (0)	N. Y.	721 19th St.
FOLSE, LENARD ROY (0)	La.	2013 G St.
FONDERSMITH, RALPH W. (0)	Ind.	2123 F St.
FORD, JULIA LOUISE (12)	D. C.	328 11th St. N. E.
FOSTER, B. S., JR. (0)	D. C.	2034 F St.
FOSTER, MARGARET E. (0)	Md.	Glen Echo Heights, Md.
FRAKER, BESSIE EVA (0)	Tenn.	1124 12th St.
FREEDMAN, ALEXANDER (0)	D. C.	3128 19th St.
*FREEMAN, SUSAN ELIZABETH (0)	N. C.	1018 14th St.
*FREIL, GERTRUDE GABRIEL (0)	N. Y.	190, S. W. & N. Bldg.
FREY, JOHN CHARLES (29)	Ind.	Y. M. C. A.
FROST, BEULAH MALVINA (30)	Minn.	1725 T St.
FUNK, CLARA LINN (0)	Ky.	115 S St.
*GALLOWAY, RALPH E. (100)	Va.	Walter Reed Hospital
GARDNER, ALLEN HOWARD (0)	Penn.	1421 Buchanan St.
*GARDNER, BERYL G. (0)	Penn.	515 Rock Creek Church Rd.
GARNETT, JOSEPH F. (0)	Ky.	1533 15th St.
GEITNER, FRANCES ROYER (0)	N. C.	1401 Massachusetts Ave.
*GEORGE, MARY VINCENT (12)	D. C.	513 East Capitol St.
GERRY, MARJORIE S. (0)	D. C.	2944 Macomb St.
GESCHICKTER, CHARLES (86)	D. C.	1222 Connecticut Ave.
GESSFORD, ELEANOR (0)	D. C.	3123 13th St.
GILLIGAN, WILLIAM (80)	Conn.	2023 G St.
GIRDNER, WILLIAM WALDO (0)	D. C.	6812 Laurel Ave., Takoma Park, D. C.
GIRTS, MAXINE LUCILE (0)	Penn.	1434 Harvard St.
†GLADSTONE, JOSEPH MARION (24)	D. C.	308 East Capitol St.
*GLADSTONE, NEWTON ABEL (0)	D. C.	1748 8th St.
GLASSFORD, MARY C. (0)	D. C.	3639 13th St.
*GLAZAT, VIOLA F. (0)	Mich.	918 M St.
GLENN, DAISY MARIE (9)	Wyo.	The Gordon
GLUCK, SOL S. (110)	Wis.	1322 12th St.
GODBOLD, ALBEA (31)	Miss.	Bu. of Labor Statistics
GODFREY, CLARENCE MORTIMER (68)	D. C.	915 14th St. S. E.
GOFORTH, ALYS M. (2)	La.	2 D St. S. E.

GOODRICH, LLEWELLYN L. (0)	Mo.	201 I St.
GORDON, ISIDOR (0)	Md.	Riverdale, Md.
GRACE, ELIZABETH (0)	Ala.	720 4th St. N. E.
†GRANGER, ELIZABETH M. (0)	Mo.	3722 New Hampshire Ave.
*GRAS, BEULAH M. (0)	Iowa	20th and P Sts.
GRASS, EDWARD JACOB (0)	D. C.	2024 I St.
†GRAVATT, FRANCES E. (100)	Md.	5 Leland St. Chevy Chase, Md.
GREENE, LEMUEL E. (101)	La.	2715 14th St.
*GREGG, ALEXANDER WHITE (101)	Texas	1333 15th St.
GROCK, NELLIE HAZEL (0)	D. C.	Takoma Park, D. C.
GRONNA, ARTHUR J. (62)	N. Dak.	2219 California St.
GRUNWELL, MARY ELIZABETH (0)	Md.	924 23d St.
GUILFORD, ANNE E. (51)	D. C.	401 D St.
HADDAWAY, KLEIN KINZER (91)	Md.	2504 Garrison Ave. Baltimore, Md.
HADDEN, HELEN FRANCES (10)	Md.	17 Grafton St. Chevy Chase, Md.
*HAFFLY, EDITH (0)	Pa.	1035 Lamont St.
HAGAN, JONATHAN FOSTER (15)	Va.	Ballston, Va.
HALDERMAN, DANIEL LUTHER (0)	Penn.	2040 F St.
†HALL, THERESA (0)	Ky.	219 East Capitol St.
HANNA, ANITA BELLE (73)	Ind.	1202 18th St.
HANNA, MARK (0)	Ind.	1333 15th St.
HANSON, EDWARD J. (42)	N. C.	1333 15th St.
HARDY, MAX (54)	Colo.	429 New Jersey Ave.
*†HARLIN, RUTH E. (0)	Minn.	309 A St. S. E.
HARLOW, W. FRANK (0)	Md.	Brentwood, Md.
†HARRIS, SAMUEL BEVERIDGE (0)	D. C.	Y. M. C. A.
*†HARRISON, FORREST MARTIN (60)	D. C.	1705 Kenyon St.
M. D., 1914, George Washington University		
HARVEY, ROSAMOND FRANCES (88)	D. C.	2007 F St.
*HARVEY, WILLIAM McKENZIE (9)	D. C.	Kenilworth, D. C.
HASTINGS, GEORGE S. (68)	D. C.	3600 Ordway St.
*HATCHER, JAMES C. (24)	Ala.	1907 G St.
HAWORTH, ELLIS (0)	D. C.	132 13th St. S. E.
HAYES, ARTHUR WALKER (25)	D. C.	3558 16th St.
HAYNES, WILLIAM PRESTON (60)	Va.	Alexandria, Va.
HAYS, CATHRYN MARY (0)	Mo.	1340 Fairmont St.
HAZELL, JOSEPH W. (33)	D. C.	1339 K St.
†HEDDEN, RUTH MARIE (49)	D. C.	1908 Belmont Rd.
*HELMICK, DOROTHY P. (0)	D. C.	5411 Illinois Ave.
HENDERSON, EDWARD PORTER (0)	Ohio	Marine Headquarters
HENDON, ROBERT R., JR. (55)	Okla.	1843 Calvert St.
HENRY, LULA (16)	D. C.	1919 K St.
*HENSHALL, LAWRENCE DECKER (14)	Penn.	1333 15th St.

HERBST, MILDRED LOUISE (30)	D. C.	1032 25th St.
HERSEY, SAMUEL		
FREEMAN (106)	Iowa	105 D St. N. E.
HICKS, ARTHUR J. (30)	Mich.	433 Q St.
HILL, HAZEL RAE (0)	Md.	408 3d St.
HILL, IRA B. (17)	N. C.	1025 G St. N. E.
HILTON, OLIN LLOYD (0)	Ala.	1751 P St.
HINEMON, EUGENIA (0)	D. C.	1717 35th St.
HOBBS, DOROTHY F. (0)	D. C.	3705 24th St.
*HOBBS, PAULINE BOWEN (61)	D. C.	The Beacon
HOCKER, FRANCES W. (0)	Penn.	22 2d St. N. E.
HOFFMAN, HERMAN S. (37)	Md.	Brentwood, Md.
HOGG, SARA (103)	Ga.	1401 Columbia Rd.
HOLLIS, LAWRENCE COE (14)	Va.	1218 11th St.
HOLMAN, JESSE NEIL (0)	Ala.	147, House Office Bldg.
HOLMES, OLIVER W. (9)	D. C.	830 Otis Pl.
HOLMES, RUTH EMILY		
VIRGINIA (0)	Md.	Rockville, Md.
HOPKINS, JOY (67)	Va.	7106 Piney Branch Rd.
*HORN, GLADYS W. (0)	N. J.	1333 Fairmont St.
†HORNADAY, FRED E. (0)	D. C.	1419 Newton St.
HORWITZ, ALEC (90)	D. C.	916 4½ St. S. W.
HOSFORD, HELEN R. (54)	Iowa	606 Quincy St.
HOUSTON, MARY		
JOSEPHINE (0)	D. C.	1750 S St.
HOWARD, DEANE CHILDS (70)	D. C.	1801 16th St.
HOWELL, HERBERT E. (0)	Mich.	34 T St.
HOWELL, JOSEPH ADAMS (0)	Ala.	224 1st St.
HUDSON, FRANCES M. (0)	Mo.	1024 Vermont Ave.
HUFF, CHARLES R. (66)	Minn.	1916 16th St.
†HUNSICKER, ANNA PEARL (45)	Ind.	1919 G St.
†HUNT, ADA M. (63)	D. C.	2727 Ontario Rd.
HURLEY, FITZHUGH L. (0)	N. C.	Y. M. C. A.
HUSE, FAY IRENE (93)	Mont.	Wardman Park Inn
HYMAN, SADIE ZUNSNER (61)	D. C.	3401 16th St.
JACKSON, LAWRENCE		
OSCAR (112)	Colo.	17 T St. N. E.
JACKSON, WILLIAM ISAAC (56)	Ill.	Y. M. C. A.
*JACOBS, MARY E. (0)	Wis.	1473 Harvard St.
JACOBS, MERLIN EDWIN (0)	D. C.	517 L St.
JACOBSON, ROBERT LOUIS (0)	Wis.	2030 G St.
JOHNSON, ALVA H. (0)	Mich.	1310 Delafield Pl.
*JOHNSON, BEULAH A. (0)	Wis.	1104 M St.
JOHNSON, EDWARD H. (20)	Texas	32 G St. S. W.
JOHNSON, ETHEL MAY (58)	Penn.	1207 Emerson St.
JOHNSON, LESTER WYLIE (0)	Ill.	309 New Jersey Ave.
*JOHNSON, MARSHALL		
HARRISON (0)	La.	3106 Mt. Pleasant St.
JOHNSON, RUSSELL M. (0)	Minn.	1100 Vermont Ave
JOHNSON, WILLIAM JOSEPH (0)	Mass.	232 1st St. S. E.
JOHNSON, YEBA (36)	Ky.	5100 14th St.
JOHNSTON, FRANCIS E. (76)	Va.	Alexandria, Va.
JOHNSTON, KENNETH A. (23)	D. C.	The Kenyon
JONES, EVELYN WELLINGTON (33)	D. C.	3719 Keokuk St.
JONES, FRANCIS MARION (46)	D. C.	The Kenyon
JONES, MINNIE (30)	D. C.	122 D St. S. E.
JUDD, ELEANOR C. (28)	D. C.	Monmouth Hotel

JUDGE, ANASTASIA G. (0)	D. C.	116 V St. N. E.
KALUPY, HARRY HAROLD (67)	La.	2020 G St.
KAPLOVITZ, REBECCA (46)	N. J.	1336 Newton St. N. E.
KAR, A. KENNETH (0)	D. C.	2622 11th St.
KEEGIN, S. WARWICK (0)	D. C.	1704 Lamont St.
*KEENER, U. GRANT (8)	Okla.	1333 15th St.
KEISER, CLARENCE CYRUS (6)	Md.	Bethesda, Md.
KELL, GERTRUDE C. (0)	Kan.	1116 Vermont Ave.
†KELLOGG, GRACE ELIZABETH (0)	D. C.	36 Rhode Island Ave. N. E.
KELLY, HOMER BLAINE (95)	Mass.	Fontanet Courts
KELLY, RICHARD ALEXANDER (122)	Va.	1312 Fairmont St.
KELSEY, BERNICE (0)	D. C.	1712 Allison St.
KENNEDY, LILLIAN ELIZABETH (0)	Mo.	105 5th St. N. E.
KENNEY, MARY BRYAN (0)	Del.	2031 F St.
*KERIG, FLORENCE DWAN (0)	Mass.	1800 I St.
KINCAID, CALVIN B. (0)	Tenn.	630 Keefer Place
*†KING, STELLA M. (0)	D. C.	819 Kennedy St.
KINGSBURY, DOROTHY E. (6)	Mich.	17 Adams St.
KLING, MARGARET AIMEE (0)	Ill.	Monmouth Hotel
†KNAPP, ARTHUR LYMAN (0)	D. C.	714 Rock Creek Church Rd.
KRAUSE, LAURA MAGDALENA (0)	Nebr.	641 Maryland Ave. N E.
KUNKEL, RUTH LEE (0)	D. C.	2510 Wisconsin Ave.
†LACEY, ANNA JANNETTE (0)	Md.	Washington Grove, Md.
LADD, DOROTHY DEVEREAUX (0)	Md.	6109 Brookville Rd. Chevy Chase, Md.
LA MOORE, PARKER (0)	N. Dak.	213 4th St.
LANDERS, MARY J. (0)	Ill.	1750 S St.
†LANE, ELEANOR (70)	D. C.	2906 H St.
LANE, RUSSELL C. (0)	N. Y.	819 19th St.
*LANGIN, JAMES J. (0)	Iowa	1719 G St.
LARSON, SWAN ALFRED (52)	Minn.	2130 O St.
LAW, THOMAS WILBUR (0)	Fla.	1354 Fairmont St.
LAZARO, HELOISE (79)	La.	Falkstone Courts
LEE, AGNES IRENE (36)	D. C.	327 10th St. N. E.
†LEE, ELIZABETH L. (0)	D. C.	2818 13th St. N. W.
LEEDY, NELLIE GRACE (3)	Mo.	201 East Capitol St.
LEIDEN, CYRIL E. (0)	Pa.	1120 13th St.
LESTER, M. MARY (72)	Va.	2114 G St.
LEWIS, STUART (—)	Ill.	1100 Vermont Ave.
*LIDE, LEWIS MAXWELL (138)	D. C.	219 14½ St. N. E.
LINDOW, OSCAR H. (85)	Wis.	513 22d St.
LINDSAY, FRED H. (0)	Okla.	504 F St. N. E.
LITTELL, NELSON (99)	Ind.	3149 Mt. Pleasant St.
LITTLE, DONALD (0)	Kansas	House Office Bldg.
LITTLEHALES, GEORGE REBER (15)	D. C.	2132 Le Roy Place
LONG, FLORENCE ADELAIDE (0)	Va.	526 Queen St., Alexandria. Va.
LONG, GEORGIA A. (0)	D. C.	124 R St. N. E.
†LONG, WILLIAM RODNEY (0)	Mass.	1762 M St. N. W.
LORD, ISAAC QUACKENBUSH (0)	D. C.	1336 Newton St. N. E.
LOUIS, MAX C. (34)	D. C.	47 Quincy Place N. E.
LOVE, DOUGLAS WILDING (0)	Utah	1439 Rhode Island Ave.
LUDLOW, MARJORIE (0)	D. C.	1908 Q St.
†LUNDSTROM, FRANK O. (94)	Colo.	231 E St.
LYON, QUINTER MARCELLUS (84)	D. C.	636 S. Carolina Ave. S. E.

McCABE, WILLIAM L. (0)	Utah	2622 11th St.
McCASLIN, FRANK E. (0)	Minn.	1801 G St.
McCAULEY, KATHERINE		
CHRISTINE (0)	D. C.	1353 Maple View Pl. S. E.
McCHESNSY, FRANK MARKS (70)	D. C.	129 Randolph Pl.
McCLINTOCK, LAURA		
MADELINE (80)	Pa.	The Octavia
McCLURG, ALICE (0)	Ind.	1527 O St.
McCOLLUM, RUTH (0)	S. Dak.	931 K St.
McCORMICK, JUSTINE		
LUCILLE (0)	Ind.	5408 9th St.
McCoy, HAROLD D. (0)	Wis.	30 Elm Ave.
		Takoma Park, D. C.
†McCoy, WILLIAM F. (0)	D. C.	1916 16th St.
McCULLOUGH, M. RUTH (0)	Pa.	1419 Columbia Rd.
†McDANNEL, LUCY		
CHURCHILL (0)	D. C.	Wardman Park Hotel
McELROY, CATHERINE		
FRANCES (0)	Mass.	3400 Macomb St.
McGREW, MARTHA STEELE (82)	Tenn.	1363 Fairmont St.
McINTYRE, JOSEPH D. (38)	D. C.	2209 M St.
McKENDREE, LAURETTE (44)	D. C.	1807 Riggs Place
McKENZIE, DORIS (61)	D. C.	2118 F St.
†McKoy, FRANCIS K. (62)	N. C.	2029 H St. N. W.
McMILLAN, FRANCES		
LUCILLE (98)	Tenn.	3815 14th St.
McNEILL, MARVIN C. (0)	Ill.	Y. M. C. A.
McNITT, H. ARNOLD (0)	Md.	Berwyn, Md.
McNITT, H. J. RUSSELL (0)	Md.	Berwyn, Md.
*McPHERSON, JOE FRANCIS (0)	Mo.	House Office Bldg.
McPHERSON, JOHN VERNON (0)	Mo.	House Office Bldg.
*McQUILKIN, MARGARET M. (0)	Ill.	5413 Illinois Ave.
MAGUE, ROSCOE EDWIN (36)	Mass.	1603 G St. S. E.
MALONE, LILLIAN (60)	Va.	408 Duke St., Alexandria, Va.
MANKEY, HELEN LAURA (30)	D. C.	2914 11th St.
MANNING, THOMAS RAY (114)	Pa.	22 2d St. N. E.
MANNING, VANNOY H., JR. (0)	D. C.	3602 Newark St.
MARKLEY, MAY ADELLE (39)	D. C.	136 F St. S. E.
MARKRITER, FRANK B. (0)	D. C.	1758 U St.
MARTINSON, DETLOW M. (100)	D. C.	Theta Delta Chi House
†MARTINEZ, MERCEDES (61)	P. R.	1224 13th St.
*MARVIN, ROBERT WALDO (0)	D. C.	324 Taylor St.
MASON, JOHN RUSSELL (18)	D. C.	808 9th St. N. E.
MASSEY, LINTON REYNOLDS (3)	D. C.	1844 Kenyon St.
MASSEY, MARK F. (0)	Kansas	918 23d St.
*MATHEHY, MARY F. (0)	Texas	338 Maryland Ave. N. E.
MAUL, SARAH ELIZABETH (78)	D. C.	Hyattsville, Md.
*MAUPIN, HARRY DOMER (0)	D. C.	1420 Longfellow St.
MAY, RUTH ELIZABETH (9)	Md.	Berwyn, Md.
MEHLIG, MAY O'ROURKE (0)	D. C.	1726 Mass Ave.
MELOON, IVY CARMEN (89)	Mass.	V-W Bldg, Govt. Hotels.
MERDIAN, BERTHA (0)	Ill.	324 5th St. S. E.
MERRICK, MANILA C. (6)	Iowa	1017 12th St.
MERRILL, LOTTIE (0)	N. Y.	1531 Vermont Ave.
MERRIMAN, ERVIN EUGENE (51)	Ind.	400 M St. N. E.
MESSER, AGNES HENDERSON (0)	D. C.	3504 Macomb St.
METZEROTT, GERTRUDE (89)	D. C.	The Northumberland

METZEROTH, MARGARET (64)	D. C.	119 12th St. S. E.
MIKESKA, ROSALIE (46)	Texas	10 New York Ave.
MILLER, NELSON A. (0)	D. C.	1836 North Capitol St.
MILLER, PHILIP (0)	N. Y.	1103 9th St.
MILLS, AGNES J, (3)	Colo.	1337 Park Road
MILLS, EDDIE LANCE (102)	Texas	2421 Penn. Ave.
MILLS, HELENA JANE (0)	Md.	R-S Bldg, Govt. Hotels
MINER, HELEN (108)	Ohio	1613 Irving St.
*MITCHELL, HAROLD E. (0)	D. C.	7 Melrose St.
		Chevy Chase, D. C.
MITCHELL, HARRIETTE (0)	Mo.	2400 16th St.
MONCURE, ELIZA M. (0)	D. C.	Woodworth Apts.
MONDELL, DOROTHY (45)	Wyo.	2110 O St.
MONTGOMERY, ELSIE M. (0)	D. C.	3302 N St.
MONTGOMERY, JIMMIE		
ETHEL (104)	Ala.	3459 Holmead Pl.
MOORE, MARGARET M. (20)	Mo.	101 North Carolina Ave. S. E.
MOORE, MILDRED		
JOSEPHINE (95)	D. C.	111 Tenn. Ave. N. E.
MOORE, MYRTLE E. (0)	Texas	215 9th St. S. W.
MOREHOUSE, MORTIMER		
BRYAN (34)	D. C.	1526 O St.
MORRELL, FOSTER (0)	Ohio	4729 13th St.
*MORRISON, RALPH		
LANCASTER (0)	Md.	1335 H St.
MORROW, CLARA ALLEN (40)	D. C.	Wardman Park Inn.
MORSE, MARY E. (0)	N. Y.	808 Upshur St.
MOSKIVITZ, ADOLPH (63)	D. C.	1329 S St.
MOTTERN, ALBERT JOSEPH (58)	Ohio	2517 Wisconsin Ave.
MOULTON, EDWARD B. (0)	Ill.	1419 Girard St.
*MUDGETT, ROBERT S. (0)	Mich.	1219 Delafield Place
*MUNCNEY, ARIANA (0)	Fla.	56 Seaton Place
MUNTER, GODFREY LEON (102)	Ill.	Swiss Legation
*MURRAY, ANNA (0)	D. C.	1317 Farragut St.
MUSSMAN, MICHAEL ANGELO (0)	Pa.	438 H St.
*MYERS, FRANK HAMMETT (30)	D. C.	3754 McKinley St.
NALL, ARTHUR ERNEST (2)	Texas	1333 15th St.
†NAYLOR, ESTILL ESS (62)	Mo.	1736 G St.
NELMS, HENNING		
CUNNINGHAM (94)	D. C.	1121 12th St.
NELSON, AGNES CHRISTINE (91)	N. Dak.	2524 17th St.
NEWMAN, HARRY WRIGHT (44)	D. C.	1739 P Street
NEWMAN, LINN ALBERTA (28)	Ind.	House Office Bldg.
NEWMAN, RAYMOND W. (0)	Calif.	Bureau Animal Industry
NICHOLS, HENRY JANNEY (109)	D. C.	1842 Calvert St.
*NYE, CLARE BRELM (0)	D. C.	23 V St. N. E.
NYREN, PHILIP (0)	Wash.	713 21st St.
OVERG, NANCY E. (0)	Pa.	236 L-M Bldg. Govt. Hotel
*OLIVER, FRED NASH (118)	Texas	Walter Reed Hospital
*PABST, HELEN GERTRUDE (30)	D. C.	4622 15th St.
†PACKER, EARL L. (36)	Iowa	1523 L St.
PADGETT, MILDRED (100)	D. C.	1726 Euclid St.
*PAGE, NANNIE TYLER (0)	D. C.	220 Wootton Ave.
		Chevy Chase Station
PALMER, J. JOSEPH W. (0)	D. C.	84 V St.
PALOMAR, GAUDIOSO P (0)	D. C.	Alabama Apts.
PARHAM, JULIA A. (—)	Texas	2112 F St.

PAULUCCI, JOSEPH W. (0)	Ohio	Walter Reed Hospital
PAZOUR, MARIE (24)	S. Dak.	1520 P St.
PEARSON, ESSIE LEE (0)	D. C.	22 Channing St.
PERLIN, HARRY (100)	Conn.	2219 H St.
PERLSTEIN, SAMUEL (0)	D. C.	105 6th St.
PERROTT, DOROTHY (0)	N. Dak.	1311 P St.
PERRY, IRENE ERSKINE (0)	Fla.	1414 16th St.
*PESSIN, JOSEPH (0)	Iowa	434 10th St.
PETERSON, CAROLINE E. (0)	Calif.	Bureau Medicine and Surgery Navy Dept.
PETERSON, CHARLES FREDERICK (37)	Md.	U. S. Capitol Police
PETERSON, MABEL E. (0)	N. Dak.	1357 Montague St.
PETERSON, ROBERT K. (0)	Va.	Lenox Apts.
†PETERSON, WILLIAM WALTER (43)	D. C.	1919 Calvert St.
PHELPS, ROSE B. (8)	Mich.	2141 K St.
PHILLIPS, RUTH SUTHERLAND (96)	D. C.	87 Eastern Ave. Takoma Park, D. C.
PHILLIPS, SHELBY C. (24)	D. C.	1357 Girard St.
PHOEBUS, GLADYS EDITH (44)	D. C.	1925 North Capitol St.
PICKERING, GRACE (0)	Ind.	The Toronto
PITCHER, LOIS (35)	D. C.	3910 McKinley St.
POLLNER, NONA BETTE (98)	D. C.	3200 Park Place
POPE, DARWIN JESSE (85)	D. C.	3214 Newark St.
POPE, GLADYS ANNA (0)	D. C.	3214 Newark St.
PORTER, BESSIE J. (11)	Neb.	1128 New Hamp. Ave.
†PORTER, GEORGE BOUTIN (0)	D. C.	1601 31st St.
†PORTER, RAYMOND W. (0)	Okla.	Glen Echo, Md.
POWELL, MARY LOUISE (24)	D. C.	628 6th St. N. E.
PREINKERT, MARGARET MARIE (77)	D. C.	1511 L St.
PRESCOTT, OLIVE (63)	D. C.	The Burlington
PROBEY, THOMAS F. (84)	D. C.	3158 O St.
PROTAS, MAURICE (56)	D. C.	1314 13th St.
PULLIAM, ROBERT W. (6)	N. C.	1419 Chapin St.
PUSEY, ELMER M. (6)	D. C.	127 T St.
PUTNAM, AMY D. (0)	N. J.	3033 15th St.
*QUINN, HERBERT E. (0)	Texas	71 New York Ave.
RAMSEY, ELIZABETH RUTH (0)	Va.	Rosslyn, Va., R. F. D.
RAMSEY, MARGARET C. (0)	D. C.	813 Mass. Ave. N. E.
RANCK, JAMES BYRNE (71)	D. C.	1405 15th St.
RAYMOND, DOROTHY GEORGE (0)	D. C.	1501 Harvard St.
REDINGER, CARL CHALMERS (0)	W. Va.	2102 N St.
REED, FRED CASSIUS (12)	D. C.	804 17th St.
REED, MABEL C. (0)	D. C.	1922 1st St. N. E.
REED, PAUL CLINTON (15)	La.	House Office Bldg.
REESE, WILLIAM E. (18)	D. C.	1826 M St.
*REEVES, GEORGE TORREYSON (110)	Va.	Ballston, Va.
REGAN, RUTH (0)	Minn.	1425 Harvard St.
REID, NEAL EWART (0)	N. Dak.	213 4th St. S. E.
REINBOTH, JOHN FRANKLIN (37)	Ill.	2128 H St.
REITZEL, ALBERT EMMET (105)	N. C.	1311 L St.
*RELF, DOROTHEA LIVINGSTON (0)	D. C.	3427 14th St.

REYNOLDS, OLIVE AMRITA (90)	D. C.	503 River Road Chevy Chase, D. C.
†RHODES, MARION BENJAMIN (68)	Mo.	1627 19th St.
RICHARDS, MIRIAM GREY (6)	Md.	9 West Irving St., Chevy Chase, Md.
RICHARDSON, MARY HUME (0)	D. C.	132 East Capitol St.
RIGGS, FLORENCE M. (0)	N. Y.	308 Second St. N. E.
ROACH, JESSIE D. (0)	Ill.	2633 Adams Mill Rd.
ROBB, SEYMOUR (0)	D. C.	1131 7th St. N. E.
ROBERTS, EDNA JANE (0)	D. C.	P-Q Bldg, Government Hotels
ROBERTS, MARY C. (0)	Ohio	1434 Q St.
*ROBINSON, HARRY H. JR., (0)	Fla.	Y. M. C. A.
ROBINSON, MARY ANN (0)	Miss.	728 3d St.
ROBSIAN, DAISY S. (0)	Ky.	106 C St. S. E.
RODRIGUEZ, HARRIS J. (0)	La.	2006 F St.
ROGERS, SAM LYLE, JR. (0)	N. C.	3610 Macomb St.
ROONEY, WILLIAM FRANCIS (21)	Mass.	729 20th St.
RORER, JULIA H. (0)	D. C.	1800 K St.
ROSENBUSCH, LLOYD A. (0)	D. C.	3336 P St.
ROSINSKI, GERTRUDE L. (0)	D. C.	1216 K St.
ROWAN, BLANCHE (0)	Iowa	1410 11th St.
ROWE, JAMES M. (0)	D. C.	1401 Columbia Road
ROWLAND, MITTIE ELSTON (24)	Tenn.	Cherrydale, Va.
ROWLEY, FRANK SMITHERS (0)	D. C.	616 Harvard St.
ROYER, JOSEPH PAUL (17)	Ohio	1500 20th St.
RUDDIMAN, MINNETTE HONNER (0)	D. C.	1647 Lamont St.
*RUMMEL, ALICE L. (0)	Pa.	2117 O St.
*RYAN, EDWARD THOMAS (15)	Conn.	1811 G St.
RYAN, FLORENCE L. (0)	Ind.	919 18th St.
RYAN, RICHARD L. (0)	D. C.	1215 Euclid St.
*SAGE, LORETTA F. (0)	Mich.	The Octavia
SANDBORN, ELIZABETH (108)	Kansas	1526 O Street
*SAPP, CLARA P. (0)	Kansas	1007 Mass Ave.
SAVAGE, ROBERT LEE (0)	D. C.	712 Upshur St.
SAWYER, VERA C. (0)	N. Y.	127 Rock Creek Church Rd.
SCHAAF, MARTHA ELIZABETH, (94)	D. C.	1824 Monroe St.
SCHAUWEKER, MILDRED MIRIAM (129)	Ohio	1873 California St.
SCHELLEFFER, FRANK (107)	Ill.	1108 N. H. Ave.
*SCHERKENBACH, GERTRUDE M. (0)	Minn.	1022 Vermont Ave.
SCHUEFLER, EDWARD LIPPARDT (21)	D. C.	428½ M St.
SCHLOBOHM, OTTO A. (0)	N. Y.	National Press Club
*SCHLUP, LESTER S. (0)	Ohio	915 16th St.
SCHOENFELDER, HELENA DOROTHEA (0)	Iowa	Mt. Rainier, Md.
SCHOFFSTALL, CHARLES WARREN (52)	Pa.	1829 19th St.
*SCHROEDER, ARNOLD H. (0)	Ind.	1311 M St.
SCHWARTZ, MARION E.	D. C.	2414 12th St. N. E.
SCHWARTZ, WILLIAM WARNER (0)	Mo.	1412 G St. S. E.
SCOTT, CHARLES CARLYSLE (42)	Ill.	1333 15th St.
*SCOTT, MARGARET E. (0)	D. C.	702 20th St.

SCOTT, RALPH S. (93)	Md.	Hyattsville, Md.
SEE, ERNEST A. (86)	W. Va.	1739 P St.
SHAFFER, ANNA LEE, (0)	Ill.	310 3d St.
†SHAFFER, HENRY MORSE (0)	D. C.	3437 Oakwood Terrace
†SHEA, EARL CLIFFORD (73)	S. Dak.	1321 Delafield Pl.
SHEA, JAMES W. (15)	D. C.	4427 Iowa Ave.
SHEA, MARGARET A. (0)	Ind.	1709 M St.
SHERIFF, GEORGE		
ROTHWELL (21)	D. C.	1462 Newton St.
SHISLER, GEORGE (63)	W. Va.	Walter Reed Hospital
*SHOWALTER, JOHN B. (0)	D. C.	1627 19th St.
SIEGLER, CATHERINE ESTELLE (0)	Md.	Tulip and Oak Aves., Takoma Park, Md.
†SILVERMAN, ROSE CLAIRE (0)	D. C.	312 11th St. S. E.
†SIMMONS, RUSH NELSON (23)	Minn.	1415 Rhode Island Ave.
SIMMONS, WILLIAM V. (21)	Miss.	109 Maryland Ave. N. E.
SIMON, DAVID ROBERT (0)	D. C.	2802 Cathedral Ave.
SIMS, EULA M. (0)	Texas	5100 14th St.
*SITLER, JEANETTE (0)	D. C.	417 11th St. N. E.
SLADEN, WILLIAM MILTON (0)	D. C.	419 East Capitol St.
SLAUGHTER, DELL		
PEMBERTON (0)	Okla.	1241 Euclid St.
†SMITH, ARDIS A. (0)	Iowa	2108 H St.
SMITH, AUDLEY L. (6)	Iowa	3644 New Hampshire Ave.
SMITH, H. JOSEPHINE (0)	Ore.	The Ventosa
SMITH, LILLIAN MARTHA (12)	D. C.	313 S St. N. E.
SMITH, MARGARET MARY (79)	Md.	Riverdale, Md.
SMITH, MARGUERITE (0)	D. C.	2406 18th St.
SMITH, RUTH CATHERINE (0)	Va.	N-O Bldg. Govt. Hotels.
†SMOOT, MARGARET WARD (0)	D. C.	2917 13th St.
SOLEM, JOSEPH A. (0)	S. Dak.	230 Wootton Ave., Chevy Chase, D. C.
SPEAR, ROY HARLIN (0)	Okla.	1224 B St. S. W.
SPENCE, CHARLOTTE CALVERT (0)	Md.	College Park, Md.
SPENCER, MARY L. (9)	N. C.	3623 New Hampshire Ave.
*SPILLERS, DWAIN WILEY (0)	D. C.	1404 12th St.
SPOERRI, JAY FULLER (0)	Ill.	House Office Bldg.
STADLER, ROBERT B. (0)	Texas	1823 G St.
STEENERSON, INGEBORG		
DOLVAR (0)	Minn.	1327 M St.
*STEVENS, ARTHUR E. (0)	Mo.	920 5th St.
†STEWART, KATHERINE ROMNEY		
(0)	Utah	100 4th St. S. E.
*STILES, PRUETT (0)	Okla.	124 6th St. N. E.
STILES, THEOBELLE (0)	N. Dak.	514 17th St.
STIMPSON, CHARLOTTE		
GORDON (84)	D. C.	2141 Wyoming Ave.
STIMPSON, MARGARET (0)	D. C.	2141 Wyoming Ave.
STORCK, DOROTHEA FURLAM (0)	Va.	Virginia Highlands, Va.
*STRAWN, ROXIE NOLAN (13)	Ind.	1315 20th St.
*STUDDS, MARIE AGNES (12)	D. C.	1409 New Jersey Ave.
STURGIS, HUGH LEGARE (84)	Md.	Hyattsville, Md.
*†SUGAR, SAMUEL (0)	D. C.	257 3d St. S. W.
SULLIVAN, THOMAS R. (0)	Minn.	2123 F St.
SWEARINGER, ANITA	Ind.	2912 16th St.
SWECKER, ICIE LILIAN (21)	Va.	300 Va. Ave. South, Clarendon, Va.

SWEITZER, RUTH V. (0)	Mich.	117 12th St. S. E.
SYMMONDS, KATHERINE GODFREY (52)	Md.	The Marne
SYMONS, ARTHUR (13)	Mich.	708 Park Road
TAIT, BEATRICE WILKINS (90)	D. C.	Western Ave. and Ellicott St.
TANSIL, REBECCA C. (0)	Tenn.	514 Park Road
TATE, KATHERINE B. (0)	Ala.	216 12th St. S. E.
TAYLOR, ADA LORENE (0)	Md.	R-S Bldg. Govt. Hotels
TEMIN, HENRY (0)	D. C.	515 4½ St. S. W.
TICE, HOWARD MCCOLLY (0)	Pa.	3002 Q St.
TILTON, LEROY WILLIAM (93)	Texas	917 Longfellow St.
TODD, AUGUSTINE JAQUELIN (103)	D. C.	1779 Church St.
†TOLSON, CLYDE A. (0)	Iowa	2900 14th St.
†TOLSON, H. A. (0)	Iowa	2900 14th St.
TOOTHMAN, EDWIN CARSON (0)	Ill.	1405 Rhode Island Ave.
TORONTO, ELEANOR S. (0)	Utah	1333 12th St.
TOWERS, CATHERINE BURKE (0)	D. C.	1440 Belmont St.
TRACY, STANLEY JAMES (0)	Utah	2622 11th St.
TURNER, MARIE ALMA (4)	N. C.	506 East Capitol St.
TUROFF, DORA M. (6)	D. C.	1804 2d St.
VANDOREN, LURANA C. (30)	D. C.	723 8th St. N. E.
VAN NESS, ETHEL M. (47)	N. J.	913 22d St.
VAN WATERS, SHERWOOD P. (94)	N. Y.	1338 Vermont Ave.
VELEY, BERNICE A. (0)	D. C.	3814 5th St.
VICKERS, ROSE (35)	Md.	Willard Courts
VIETH, ANNA MARIE (0)	Mo.	1808 Newton St.
VLIET, ANDREW M. (0)	Ind.	935 New York Ave.
WALL, ADELAIDE D. (74)	D. C.	4009 14th St.
WALLER, LAURA HAZEL (0)	Ohio	1150 North Capitol St.
WALTER, ARTHUR HENRY (15)	Ky.	118 Willow Ave., Takoma Park, D. C.
WALTERS, SYBIL (0)	Iowa	1919 K St.
WARD, JOHN RUSSELL (0)	Iowa	413 A St. S. E.
*WARD, MILDRED (6)	Iowa	413 A St. S. E.
WARING, MARTHA LUCY (49)	D. C.	616 Quebec Pl.
WARNER, WELLMAN J. (0)	D. C.	746 Park Road
WARREN, LEE ELLA (55)	D. C.	1341 Columbia Road
†WARREN, ORLIN P. (0)	D. C.	1914 H St.
WATZMAN, PERCY (28)	D. C.	25 I St. N. E.
WEADON, LEAFY MARGARET (0)	Va.	3413 P St.
WEBSTER, BELLE (12)	Minn.	4007 Garrison St.
*WECKERLY, IDA (0)	Md.	105 E. Bradley Lane, Chevy Chase, Md.
WEIGANDT, HARRY NICOLAI (12)	S. Dak.	507 3d St.
WERNER, ROBERT J. (0)	W. Va.	1920 Hamlin St. N. E.
*WHEELER, HENRY STEVENS (0)	R. I.	House Office Bldg.
WHITE, HELEN MARGARET (70)	D. C.	1002 Nichols Ave. S. E.
WHITE, MILO R. (18)	Ind.	U. S. Patent Office
WHITFORD, MARGARET (91)	D. C.	3369 18th St.
WHYTE, EUNICE (106)	D. C.	935 M St.
WILEY, VIRGIL BROOKS (27)	Del.	1718 17th St.
WILFLEY, KATHERINE (12)	D. C.	1483 Harvard St.
WILLEY, HAROLD B. (0)	Mass.	1840 Vernon St.
WILLIAMS, ERNEST F. (57)	D. C.	1235 Madison St.
WILLIAMS, HELEN HARRIETT (0)	D. C.	2907 McKinley St., Chevy Chase, D. C.

WILLIAMS, LOUISE ELIZABETH (0)	D. C.	3917 McKinley St., Chevy Chase, D. C.
WILLIS, BENJAMIN C. (35)	Md.	303 Northbrook Courts
WILLIS, VIRGINIA (0)	D. C.	1324 L St.
WILLIS, VIRGINIA BULLOCK (103)	Va.	Richmond Hotel
WILSON, GENEVIEVE J. (0)	D. C.	The Cumberland
WILSON, JOHN BARNETTE (0)	La.	The Sherman
WILSON, MELVILLE DWIGHT (0)	D. C.	1739 F St.
WILSON, THOMAS BARNETTE (0)	La.	Sherman Apts.
WIMMER, JOSEPH COPE (65)	Pa.	3002 Q St.
*WINGER, WILLIAM D. (0)	Md.	2511 14th St.
WINTERS, CZAR SMITH (6)	Utah	1224 13th St.
WISEHART, MALCOLM (12)	Ill.	Y. M. C. A.
†WOLCOTT, JESSIE M. (0)	Iowa	2022 North Capitol St.
*†WOLFF, FRANCES C. (0)	D. C.	1859 California St.
WOLT, HELEN J. (24)	Neb.	I-K Bldg. Govt. Hotels
WONG, TEH PU (†)	China	2212 R St.
WOOD, KARL H (0)	Va.	Alexandria, Va.
WORTMAN, VOLNEY WINFIELD (115)	Okla.	1843 Calvert St.
*YAGLE, IRMA E. (0)	Ala.	605 North Car. Ave. S. E.
†YATES, FRED LEE (0)	Okla.	1717 Euclid St.
YOHE, ETHEL CRAIGEN (96)	D. C.	1758 S St.
*ZIEGLER, CLARIBEL (0)	Ohio	748 Newton Pl.
ZIRKLE, VERNON B. (0)	Va.	410 3d St.

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

BAER, DONALD ELWOOD (4)	D. C.	1744 Corcoran St.
BIERMAN, MORRIS I. (60)	D. C.	Providence Hospital
BOSWORTH, ROBERT JOSEPH (34)	D. C.	523 5th St. N. E.
BURGIN, WALTER H. (0)	D. C.	1208 Emerson St.
CAMP, FRANCES WILLSON (0)	D. C.	2823 27th St.
CHAREST, ANNA M (42)	Mich.	2581 Tunlaw Road
COLODNY, LEO (0)	D. C.	1404 Park Road
COREY, WILBUR L. (0)	N. Y.	Takoma Park, D. C.
CRESWELL, GEORGE WILLIAM (16)	Md.	1100 Vermont Ave.
DIATZ, PHILIP (0)	D. C.	654 19th St.
DOWNER, MORTIMER B., JR. (0)	N. Y.	915 I St.
EANET, PAUL (0)	D. C.	352 I St. S. W.
GARDNER, WILLIAM CLIFFORD (92)	D. C.	2650 Wisconsin Ave.
M. D., 1919 George Washing- ton University.		
GEIER, FREDERICK A. (0)	D. C.	728 13th St. N. E.
GONZALEZ, LUIS (0)	P. R.	1115 I St.
JOHNSON, REGENA COOK (8)	Md.	1420 N St.
*JONES, SALLIE E. (0)	Va.	239 13th St. S. W.
KIBLER, KIRBY (16)	Va.	226 3d St.
KING, IVAN ROBERTS (91)	Ill.	Tudor Hall
McVEY, PAULINE MARGARET (0)	D. C.	1723 G St.
MOXNESS, BENNIE A. (4)	N. Dak.	700 20th St.
MUNOZ, ROQUE N. A. (58)	P. R.	1115 I St.
NIMETZ, AARON (0)	D. C.	1544 9th St.
NOTES, BERNARD (0)	D. C.	302 M St.

OTTENBERG, GILBERT (34)	D. C.	318 Dist. Nat. Bank Bldg.
PAGAN, ALBERT ELWOOD (99)	D. C.	The Rochambeau
PARKER, EVELYN (0)	Vt.	317 A St. N. E.
PEAKE, ISIDORE ALBERT (24)	D. C.	1636 R St.
PHILIPS, JOSEPH JULIUS (0)	D. C.	1233 7th St.
PORTON, STANLEY PAUL (28)	D. C.	1838 11th St.
PULLMAN, PETER B. (0)	Va.	Alexandria, Va. R. F. D. 4.
REED, JOHN ALTON (35)	D. C.	522 6th St.
RHAME, HAROLD E. (0)	D. C.	1236 11th St.
RUSSELL, JOHN PAUL (28)	D. C.	817 6th St.
SCHAFER, WILLIAM LEWIS (0)	Va.	427 Wilkes St., Alexandria, Va.
SCHUTZ, CHARLES A. (0)	Md.	1954 Biltmore St.
SCHWARTZ, PAUL (26)	D. C.	453 Mass Ave.
SLATTERY, MARY JULIE (0)	D. C.	2844 Wisconsin Ave.
*SPANGLER, CASPER S. (0)	Pa.	2032 16th St.
STEIN, JOSEPH (22)	N. Y.	235 Florida Ave.
SWARTWOUT, EDITH LILIAN (44)	D. C.	12 Iowa Circle
†THOMPSON, THOMAS CARLTON (109)	Pa.	Emergency Hospital
THURBER, MILDRED E. (0)	N. Y.	1017 10th St.
VANNATTA, PAUL G. (0)	Mo.	Army Medical School
VENENZO, FERNANDO OKALA (0)	P. I.	1121 17th St.
WEINSHELBAUME, SAMUEL (0)	N. Y.	1321 8th St.
WIARD, GEORGE CLARK (0)	Va.	933 New York Ave.
*WILLIMAN, FRANK LOUIS (65)	N. J.	109 Burlington Hotel
*YEAMANS, EDWARD CAREY, JR. (0)	S. Dak.	2323 Pa. Ave.
ZEHNER, HARRY (0)	N. Y.	2500 Pa. Ave.

SPECIAL PRE-MEDICAL

*ATKINSON, INA FOSS (0)	D. C.	Copley Courts
AZULA, JUAN B. (12)	Peru	2002 G St.
*BARRY, WILLIAM KEATING (0)	D. C.	1425 Euclid St.
BEACH, MARY JOSEPHINE (18)	Fla.	1920 Belmont Rd.
BEALL, ISAAC (0)	D. C.	176 Uhland Terrace
BELL, STANLEY WILLIAM (25)	D. C.	1325 1st St.
BUTLER, ARDEN JONES (0)	Tenn.	1234 13th St.
BUTLER, HOMER K. (43)	D. C.	609 Kenyon St.
CALHOUN, EDWARD J. (0)	D. C.	1201 Girard St.
CHAPMAN, KATHERINE (0)	Md.	Kensington, Md.
*CLARK, GORDON W. (0)	Utah	614 22d St.
CONKLIN, ROSCOE L. (0)	D. C.	20th and Rhode Island Ave. N. E.
*DAVIS, WILLIAM H., JR. (0)	N. Y.	1422 Massachusetts Ave.
DEAN, BENJAMIN FRANKLIN, JR. (32)	D. C.	916 Massachusetts Ave.
DENISON, ABRAHAM ROBERT (40)	D. C.	2600 K St.
†DORSEY, JAMES ANDREW (10)	Va.	1312 North Carolina Ave. N. E.
*DUBINS, JULIUS (12)	N. Y.	2006 F St.
DUFFEY, HUGH CLARENCE, JR. (28)	D. C.	929 O St.
ELLERSON, EDWIN MURDAUGH (20)	D. C.	2134 R St.

ESCHBACK, PHILIP INNES (0)	Md.	3008 Clifton Ave., Baltimore, Md.
EVANS, LELAND M. (0)	Utah	1224 13th St.
EVANS, THEODORE HUBBARD (0)	Va.	1728 Corcoran St.
FIELD, OLIVETTE ROSALIE (36)	Va.	339 House Office Bldg.
FLETCHER, TRAVIS LEIGH (6)	Va.	1102 L St.
FREELAND, FRED BERNARD (0)	S. Dak.	2004 G St.
FREYER, EUGENE BRYANT (0)	N. Y.	217 F St.
FRIEDENBERG, HARRY (6)	D. C.	917 6th St. S. W.
GREEN, HOLLAND (0)	Ind.	915 N St.
*HALBACH, EDWARD C. (0)	D. C.	1925 Park Rd.
HAMMACK, PAUL WILLARD (15)	Va.	800 L St.
HAMRIC, ETHEL MARIE (0)	Va.	1223 N St.
HOSKINSON, STANLEY LEE (0)	Md.	217 F St.
*†HOWELL, LEHMAN GRANES (0)	Ala.	910 Massachusetts Ave.
HUGHES, WILLIAM HENRY (0)	D. C.	U. S. Naval Medical Hosp.
JANSEN, RUSSELL JOHN (0)	Minn.	1468 Rhode Island Ave.
JENKINS, WILLIAM ALEXANDER, JR. (16)	D. C.	71a L St. N. E.
JOHNSON, DON (0)	Utah	1427 21st St.
JOHNSON, JOHN WAYNE (0)	Md.	Y. M. C. A.
JOHNSON, WILLIAM (0)	D. C.	1813 M St.
†KAMINSKY, ABE (0)	D. C.	106 I St.
KAPLAN, LOUIS NORMAN (0)	D. C.	1309 North Carolina Ave. N. E.
KRAUSE, EDWARD A. (0)	Kan.	Y. M. C. A.
LANG, RICHARD JAMES (0)	N. Y.	623 4th St.
LATTMAN, ISIDORE (2)	N. Y.	1462 Chapin St.
LATTMAN, MORRIS (2)	N. Y.	1462 Chapin St.
LOCKE, HOWARD PALMER, JR. (36)	D. C.	1016 Massachusetts Ave.
*LUDWIG, HARRY ISDORE (0)	N. J.	1210 7th St.
MCCARTHY, JOHN L. (0)	D. C.	702 F St. N. E.
MAXWELL, JOHN EDWIN (0)	D. C.	2311 18th St.
MAYER, JOSEPH A. (0)	Penn.	Huntington Apts.
MONTANI, ROCCO (61)	N. J.	Madeira Apts.
†NAVARRO, VICENTE A. (71)	P. I.	1635 L St.
PATTERSON, HOMER SCOTT (0)	Ga.	2221 Flagler Pl.
†PERELMA, OSSIP (0)	D. C.	302 Evening Star Bldg.
PHILIPS, BERNHARDT (29)	D. C.	1233 7th St.
PIERCE, RALPH NORWOOD (6)	D. C.	1808 Kalorama Rd.
PLOTNICK, BARNEY (0)	Va.	1540 7th St.
POTTER, HAROLD W. (0)	D. C.	2120 G St.
ROSENBLATT, LOUIS (24)	N. Y.	210 Rhode Island Ave.
RUBINO, ANTHONY P. (0)	N. Y.	1321 Quincy St.
SAVAGE, GEORGE POMEROY (0)	Ala.	U. S. Naval Medical School
SCHWAB, ANTON MARTYN (0)	Va.	315 4th St. S. E.
SEARCY, HENRY BRITTON (0)	Ala.	1944 Calvert St.
SECUNDA, HERMAN (0)	N. Y.	517 L St.
SEWARD, DORIS MARIE (0)	Vt.	1341 A St.
SHANNON, WILLIAM ARTHUR (28)	D. C.	1528 9th St.
SHOTWELL, CLARENCE L. (0)	Va.	Falls Church, Va.
*SLAUGHTER, ROSALIE (0)	Mo.	Bureau War Risk Insurance
SMITH, HOWARD L. (0)	D. C.	601 Carroll Ave., Takoma Park

SOMERS, CHARLES J. (0)	N. J.	2023 G St.
STRETCH, JAMES E. (0)	Conn.	1723 G St.
STROUP, HORACE CLIFFORD (0)	Penn.	1739 F St.
SWAIN, ALPHONSINE B. (0)	Mo.	X-Y Bldg., Govt. Hotels
USILTON, LIDA J. (22)	D. C.	2034 North Capitol St.
*VAUGHAN, MERLON G. (0)	Va.	905 13th St.
†WALKER, FERRIS (0)	D. C.	2548 17th St.
*WATSON, LEWIS RANDOLPH (0)	Md.	306 Hammond Ct.
WEEKS, NORMAN E. (0)	D. C.	3200 12th St. N. E.
WELSH, THOMAS F. (0)	Utah	1741 G St.
WHALEN, EDWARD WILLIAM (0)	Penn.	1819 F St.
†WILTON, RALPH WILLIAM (0)	D. C.	1335 22d St.
WIRE, GEORGE EDWARD (0)	Va.	933 New York Ave.

SPECIAL

AARONSON, RUTH	D. C.	1106 Fairmont St.
†ABSTEIN, GLADYS H	D. C.	1515 Mass. Ave.
ADAMS, MARY JO.	Tenn	1309 P St.
ADAMS, RUTH CARLISLE	N. J.	1349 R St.
*ADAMSON, LOUISE	D. C.	635 Dahlia St., Takoma Park, D. C.
*AFFLECK, MADGE G.	Va.	1104 M St.
*AGNEW, ETHNA M.	D. C.	1106 Fairmont St.
*AGNEW, HELEN	D. C.	The Rochambeau
AKERS, EDNA	Ky.	2030 F St.
†ALEXANDER, SUSAN	Ill.	222 Oak Ave., Takoma Park, D. C.
ALLEN, ELSIE M.	Ohio	314 House Office Bldg.
ALLEN, GLENNA M	Iowa	E-F Bldg., Govt. Hotels
ALLNUTT, EDITH LOUISE	D. C.	38 Florida Ave.
AMAN, DOROTHY NESBIT	Md.	Hyattsville, Md.
*AMBLER, NANCY	Iowa	1360 Otis Place
AMBROSE, ANITA M.	D. C.	647 G St. S. E.
*ANDERSON, ALBERT F.	D. C.	70 U St.
ANDERSON, FLORENCE	Ohio	P-Q Bldg., Govt. Hotels
*†ANDERSON, IRENE	Mo.	1822 Mass Ave.
*†ANDREWS, MARY LeBARON	W. Va.	1819 G St.
†ANTISELL, MARION BRUMM	Md.	Silver Spring, Md.
ARNERSON, MARIAN G	Minn.	51 Bryant St.
ARROWSMITH, JEAN M.	Pa.	1717 S St.
ARTHUR, LINCOLN D.	N. Y.	1103 17th St.
ATEN, MARIAN FRANCES	D. C.	1432 Meridian St.
†ATKINSON, FRANCES ELEANOR	Kansas	1822 Mass. Ave.
AUSTIN, SADIE M.	Md.	122 Willow Ave., Takoma Park, Md.
AVERY, HASTINGS PALMER	D. C.	1220 11th St.
†BAILEY, ETHEL	D. C.	25 Rock Creek Church Road
BAIN, GOERGIE B.	Texas	1412 Mass Ave.
BAIRD, ALICE LOUISE	N. C.	1636 Irving St.
*BAKER, ABBY GUNN	D. C.	Clifton Terrace, West
†BAKER, CAROLINE B.	Ohio	712 B St. S. W.
†BAKER, MARY SUTHERLAND	D. C.	4925 Conduit Road
*BALDWIN, MARY A.	N. Y.	Kenesaw Apts.
*BALLARD, MARY	Texas	1319 K St.
†BAMBERY, ANNE	Minn.	2228 Decatur Place
BARAGWANATH, GENEVIEVE	Ill.	1669 Columbia Road

BARBOUR, ELIZABETH M.	N. Y.	1501 Irving St.
BARKER, DOLLY BEATRICE	Ohio	1778 Lanier Place
BARNES, FLORENCE HILLS	D. C.	1425 Chapin St.
*BARNES, MEDORA E.	D. C.	1501 Hamilton St.
*BARNHART, ELEANOR T.	D. C.	53 W St.
BARR, COURTLAND H	Del.	917 East Capitol St.
*BARTLETT, DONALD SAULSBURY	Idaho	1739 P St.
*BARTLETT, LILA MAY	Tenn.	1838 Jackson St. N. E.
*BARTON, MRS. W. M.	D. C.	1730 Conn. Ave.
*BASSETT, SAMUEL B.	D. C.	211 Rock Creek Church Rd.
BATES, ELIZABETH M.	Ill.	1022 11th St.
*BATTSON, AMY ELLEN	D. C.	1100 Euclid St.
BAUMONK, ROSS S.	Ind.	1739 P St.
BAUR, MARTHA M.	Mich	3012 13th St.
BEACH, JESSIE G.	Texas	717 21st St.
*BEAVERS, JOHN MARBURY, JR.	D. C.	1752 Columbia Road
BEECHWOOD, VIOLA	Kans.	601 E St.
BEIDLEMAN, MARGARET D.	Pa.	1229 Conn. Ave.
BELL, FLORENCE COLFAX	N. Y.	3149 Mt. Pleasant St.
*BELL, HATTYE	N. C.	1202 18th St.
BELL, VIRGINIA LEE	Va.	1332 15th St.
†BELT, HELEN WALTON	D. C.	720 H St. N. E.
BENHAM, F. MAE	D. C.	1354 Parkwood Place
BENNETT, KENNETH LEONARD	N. Y.	Clarendon, Va.
†BENNETT, MARTHA D.	D. C.	4322 14th St.
†BERGHOLZ, ANITA L.	D. C.	1217 30th St.
BERRY, H. B.	Iowa	Munitions Bldg.
A. B., 1914; LL.B., 1915,		
University of Iowa		
BERRY, INDIANOLA M.	Ill.	110 Seaton Place
†BHOLES, ELMA E.	Wis.	413 Quincy St.
BICKEL, GERTRUDE MARIE	Pa.	2010 O St.
BICKEL, MARION LOUISE	Pa.	2010 O St.
BIER, ROBERT ALLAN	D. C.	660 K St. N. E.
*BILLINGSLEY, CONNIE	Miss.	728 3d St. S. E.
*BIRNIE, MARTHA NOYES	D. C.	1711 19th St.
A. B. 1915; A. M. 1916		
George Washington University		
BLACKMAN, MARY	Kans.	1730 First St.
BLACKSHEAR, PAUL DAVID	Ga.	1314 Mass. Ave.
BLAKE, RAMONA E.	Md.	Hyattsville, Md.
†BLOSSER, BESSIE E.	Pa.	1719 13th St.
*BLOSSER, NELLIE B.	Ohio	200 A St. S. E.
BLYSTONE, MORNING E.	Ind.	1347 L St.
*BOARDMAN, MARTHA A.	Wash.	1854 Ontario Place
BOLAND, MAY FRANCES	D. C.	2113 N St.
*BONNETTE, EVA M.	Okla.	618 O St.
*BOOTH, ELIZABETH M.	D. C.	2516 13th St.
BOSWELL, FRANCES R.	D. C.	238 New Jersey Ave.
BOWERS, MIRIAM GRACE	Wis.	6th and B Sts.
*†BOWIE, EVANGELINE	Tenn.	1333 12th St.
BOWIE, JOSEPHINE M.	D. C.	3712 Patterson St.
†BOWMAN, JESSIE ELMA	D. C.	920 D St. N. E.
*BOYNE, CAROLINE	D. C.	1309 Fairmont St.
BOYNTON, AMY CANN	Ohio	Glen Echo, Md.
BRADEN, MOZELLE ELIZABETH	D. C.	4002 Kansas Ave.
BRADFIELD, MARY ELIZABETH	Ind.	1219 Fairmont St.

BRAGG, MARY A.	Okla.	1635 Irving St.
*BRANDES, GERTRUDE	Texas	1748 S St.
*BRANDT, LOLA	Wis.	X-Y Bldg., Govt. Hotels
*BRAUNER, GEORGE LESTER	Va.	1012 New Hampshire Ave.
*BRAY, BLANCHE R.	Ill.	2004 G St.
†BRIGHAM, ESTHER MARION	Mass.	821 North Car. Ave. S. E.
BRIGHT, DAISY	Miss.	1818 H St.
†BRILMYER, GEORGE JOSEPH	D. C.	45 Q St. N. E.
†BRINLY, MARY	Ohio	A-B Bldg., Govt. Hotels
BRISTOL, KATHERINE F.	Ill.	1804 Kilbourne Place
*BROCK, DOROTHY F.	D. C.	1833 Irving St.
BROCK, JESSIE	D. C.	717 21st St.
*BROWN, AGNES MARJORIE	Iowa	1921 N St.
†BROWN, DOROTHY THORNTON	Mo.	1822 Mass Ave.
*BROWN, GENEVA A.	Me.	1854 Ontario Place
*BROWN, HAZEL G.	Ill.	67 Adams St.
*†BROWN, ISABEL	N. M.	901 M St. N. W.
BROWN, MABEL A.	Ill.	A-B Bldg., Govt. Hotels
BROWN, MARY AGNES	D. C.	4606 15th St.
*BROWN, MARY LAVINIA	Mass.	3459 14th St.
BRUCE, EDMOND	D. C.	731 Rock Creek Church Road
BUCKINGHAM, LELAH	Ind.	1316 New Hampshire Ave.
BUCKLEY, RUTH	Mo.	2433 18th St.
*BUDER, CHARLES M.	N. J.	1824 New Hampshire Ave.
*BUIE, MAZIE	Miss.	1448 Girard St.
BUKER, LUCY M.	Va.	2506 K St.
Litt. B., 1916, Boston University		
BURCH, RUTH REID	Ga.	2120 P St.
†BURCHARD, ETHEL M.	D. C.	1800 K St.
*BURCHFIELD, HENRIETTA	N. Y.	721 19th St.
*†BURGESS, MAJORIE S.	D. C.	2530 13th St.
*BURK, CAROLINA	Ind.	2509 17th St.
BURKE, THOMAS FRANCIS	Mass.	322 11th St. S. W.
*BURKET, RHEES EVANS	Md.	Chevy Chase, Md., R.F.D. 2
*BURNETT, ELIZABETH	D. C.	2114 LeRoy Place
*BURNHAM, HELEN	D. C.	1338 Fairmont St.
BURNHAM, SARA FLORENCE	N. Y.	Munitions Bldg.
*BURRELL, HENRIETTA	D. C.	3401 Wisconsin Ave.
*BUSH, GLADYS A.	Ill.	36 W St.
BUSHONG, L. D.	Va.	2201 K St.
*BUTLER, ELOISE M.	Va.	3347 18th St.
BUTLER, IRIS MARY	Ga.	2164 Florida Ave.
†BUTLER, NICHOLAS GEORGE	Conn.	Georgetown University
CALDWELL, MILLARD L.	Va.	Clarendon, Va.
CALLAHAN, VINCENT FRANCES	D. C.	1729 North Capitol St.
CALVIN, JEANNETTE MALINDA	Ind.	1536 16th St.
CAMERON, DANIEL A.	Ill.	74 V St.
CAMPBELL, JEAN THOMPSON	D. C.	301 8th St. N. E.
CAMPBELL, MYRTLE	Ala.	1358 Harvard St.
*CARLSTEDT, ALPHILD M.	Minn.	1335 Columbia Rd.
†CARMICHAEL, VIRGINIA		
TUCKER	D. C.	Stoneleigh Court
CARMODY, F. J.	Ill.	1419 Columbia Rd.
CARROLL, ELLEN LEE	Miss.	811 10th St.
CARROLL, HELEN CATHERINE	Ill.	2408 K St.
CARTAN, MARGARET S.	D. C.	20 New York Ave., Takoma Park, D. C.

CARTER, AGNES A.	D. C.	1314 B St. S. W.
*†CARTER, GERTRUDE I.	Va.	The Cairo
CASE, ALICE D.	D. C.	The Cordova
Ped. B., 1916, Berea College		
*CASTLEMAN, FRANCES F.	Va.	East Falls Church, Va.
*CAVANAGH, JEANETTE	D. C.	4011 Marlboro Pl.
*CAWOOD, LUCILE	D. C.	1418 21st St.
CECIL, GERTRUDE E.	D. C.	3425 16th St.
CHACE, MARIAN	D. C.	5300 Belt Rd.
†CHAMBERLAIN, DOROTHY	Md.	Garrett Park, Md.
CHEEK, MILDRED	D. C.	201 E St. S. E.
*CHEN, QUEH KING	China	103 2d St. N. E.
CHICKERING, ELIZABETH E.	N. H.	1639 W St. S. E.
CHILIMIDOS, JAMES	D. C.	309 9th St.
CHRISTIAN, CORINNE C.	La.	3711 Huntington St.
CHRISTIAN, JOHN FARRAR	D. C.	1348 Euclid St.
†CHURCHILL, DORIS E.	N. Y.	1800 New Hampshire Ave.
*CHURCHILL, VIRGINIA H.	Mo.	N-O Bldg., Govt. Hotels
*CINCEVICH, KATE	D. C.	The Northumberland
CLARK, ELIZABETH H.	D. C.	Station No. 2, New York Ave.
CLARK, GRACE	N. Y.	1110 P St.
CLAVELOUX, IRENE C.	D. C.	2000 North Capitol St.
CLAVELOUX, MARIE K.	D. C.	2000 North Capitol St.
CLAY, WAVA FRANCES	Md.	1350 Kenyon St.
*CLENDENIN, WILDA	Penn.	1122 13th St.
CLEVELAND, MARION ELINOR	Md.	Kensington, Md.
CLIFTON, KATHRYN	D. C.	1425 Belmont St.
*†CLOYD, ESTHER A.	Kans.	1431 California St.
COATES, BRUCE	Miss.	1318 Harvard St.
COBB, AUDA C.	Mo.	1428 Clifton St.
†COCKRELL, MARGARET LOUISE	Va.	1352 Parkwood Pl.
COHEN, MOLLIE	Ohio	2016 P St.
COLBURN, D. ALTHEA	Mich.	5 Iowa Circle
†COLBURN, GEORGE F.	D. C.	1942 2d St.
COLE, AGNES B.	D. C.	1726 Park Rd.
COLE, LOTTIE M.	N. Dak.	R-S Bldg., Govt. Hotels
COLEMAN, CHARLES HUBERT	D. C.	American University Pk.
*COLLIER, GERTRUDE ALICE	Penn.	1341 A St. N. E.
COLVILLE, ELIZABETH	Tenn.	2514 Ontario Rd.
COMER, JENNIE E.	Minn.	1754 Kilbourne Pl.
CONNER, GEORGE LANGLEY	D. C.	5206 Illinois Ave.
*CONNINGTON, MARY G.	Calif.	X-Y Bldg., Govt. Hotels
CONVEY, ANNA	Wis.	2408 K St.
COOGLE, ANNA BELLE	Iowa	310 Indiana Ave.
†COOK, CHARLES MORRIS	D. C.	1110 Park Rd.
*COOK, HARRIET IRENE	Ill.	P-Q Bldg., Govt. Hotels
†COOK, MARY L.	Miss.	2300 18th St.
†COOK, VIVIEN E.	Miss.	104 Woodley Apts.
*COOPER, EDWIN WAINWRIGHT	Conn.	918 16th St.
†CORBETT, FRANCES	D. C.	535 Cedar St., Takoma Park, D. C.
CORNELL, MARY NEVILLE	D. C.	2434 Pennsylvania Ave.
*CORNWELL, ANNIE BOLTON	Va.	100 Grafton Ave., Clarendon, Va.
COSGROVE, MARGARET F.	Minn.	St. Vincent's Villa
*COULON, GENEVIEVE J. F.	D. C.	1022 Park Rd.

*COUTURE, MILDRED L.	N. H.	1819 Adams Mill Rd.
COVINGTON, ELIZABETH	Tenn.	617 Quebec Pl.
*COWAN, ESTHER W.	N. Y.	124 Thomas St.
COWGILL, PAUL	D. C.	1736 T St.
COX, CARRIE MAJORS	D. C.	606 Butternut St., Takoma Park, D. C.
CRAMER, ALMA H.	D. C.	2036 1st St.
*CRAMER, IVERNA L.	D. C.	2036 1st St.
*CRANDALL, ADA ELIZABETH	D. C.	1873 Newton St.
*CRIDER, MARY L.	Ohio	3321 Holmead Pl.
*CREDLE, KATE	N. C.	1440 M St.
*CROFT, LORENA BELLE	Md.	940 22d St.
CROCKER, WILLIAM MORTIMER	D. C.	Congress Hall Hotel
CROMWELL, VIRGINIA RICHARDS	Ky.	1432 M St.
CRONIN, HERBERT THOMAS	Mass.	719 11th St.
CROSSMAN, FLORENCE C.	Va.	East Falls Church, Va.
*CROWLEY, KATHLEEN	Conn.	3449 14th St.
CULLEN, SARA L.	Va.	1105 O St.
*CULLY, RUBY M.	Ill.	2004 G St.
†CULP, RUBY L.	Okla.	1343 Park Rd.
*CURRY, CHARLES FORREST	Calif.	House Office Bldg.
*CURRY, IRIS	Miss.	500 East Capitol St.
DADY, ROY C.	D. C.	650 L St. N. E.
DALY, L. NUGENT	N. Y.	1110 M St.
DAMERON, MARJORIE	Tex.	1129 Girard St.
DANFORTH, LOUISA A.	D. C.	2264 Mt. View Pl. S. E.
*DANIEL, ROBERT CLINTON	D. C.	Y. M. C. A.
*DAVENPORT, BLANCHE L.	Mass.	1231 20th St.
DAVIS, EMILY CLEVELAND	D. C.	1305 N St.
†DAVIS, JEANNETTE	Ind.	1756 Columbia Rd.
*DAVISON, FLORENCE	Ohio	3547 Holmead Pl.
†DEATHERAGE, ALICE PAULINE	D. C.	1101 Euclid St.
DEBORD, GEORGE GORHAM	Okla.	205 A St. S. E.
DECKLER, VERA I.	D. C.	1209 Girard St.
DELANEY, ELIZABETH V.	D. C.	The Northumberland
DEMING, GEORGE M.	D. C.	3903 Grant Rd.
DENTON, A. GENEVA	Tenn.	1531 Vermont Ave.
†DESPARRE, JOHN	D. C.	1819 G St.
*†DILLARD, AMY BONNIE	Ky.	X-Y Bldg. Govt. Hotels
DOIG, NAN ADAM	D. C.	1114 Vermont Ave.
*DOING, ELEANOR E.	D. C.	1726 Newton St.
†DONALDSON, ELSA	D. C.	20 R St. N. E.
*DORMAN, SADIE VIRGINIA	Penn.	1411 Newton St.
DORTSCH, WILLIAM BASKERVILL	D. C.	1510 Park Rd.
*DOUGHERTY, DOROTHY	N. Y.	1119 I St.
*DOUGHERTY, EDELLA M.	D. C.	1451 N St.
*DOWNES, MARY	Calif.	1110 P St.
DOYLE, ETHEL A.	Ill.	4901 13th St.
*†DRAPER, LYDIA S.	D. C.	The Mendota
†DRAPER, MILDRED T.	D. C.	The Mendota
DREW, ALICE EUNICE	Fla.	1922 Belmont Rd.
†DREW, ERMA	Ill.	1209 Girard St.
DREW, MARIETTA E.	Fla.	1922 Belmont Rd.
*DROLLINGER, NONA F.	D. C.	2011 F St.
DUFF, EVELYN G.	Mich.	3311 Ross Pl.
DUMOND, MARION	N. Y.	1366 South Carolina Ave. S. E.
DUNIN, STANISLAU M.	Wis.	107 Carroll Ave. S. E.

†DUNN, HASSELTINE	D. C.	1449 Fairmont St.
DUTTON, LILLIAN B.	D. C.	912 Kennedy St.
*†DYER, JANE	D. C.	Govt. Hotels
ECCLES, PARLEY P.	Utah	Senate Office Bldg.
ECKARD, ILLINOIS	Ill.	2134 Flagler Pl.
ECKEL, J. CHARLES	Md.	Lincoln Hotel
ECKELS, VIRGINIA	D. C.	2122 LeRoy Pl.
ECKMAN, LULU LEE	Ohio	3914 Huntington St.
*EDGERLY, NINA	N. H.	R-S Bldg., Govt. Hotels
EHRINGER, LULA A.	Ind.	2112 F St.
†ELESTON, MARY R.	Wis.	1420 R St.
†ELIASON, MARY E.	D. C.	1712 17th St.
†ELLIOTT, EDITH LOUISE	D. C.	1006 B St. N. E.
*ELLIOTT, JOHN E.	D. C.	1722 21st St.
*ELY, KATHLEEN E.	Iowa	V-W Bldg., Govt. Hotels
EMBRY, WILLIAM EDWIN;	Fla.	2443 14th St.
ENGLE, BYRON E.	Ill.	1741 Church St.
*†ENGLE, HELEN LORRAINE	Texas	1308 Rhode Island Ave.
EPPLER, META F.	Md.	C-D Bldg., Govt. Hotels
A. B. 1914, Western Maryland College		
*ERICKSON, ESTHER S.	D. C.	18 Bryant St.
ERNSKY, HELEN MILDRED	N. Y.	1122 13th St.
ESCHER, JULIA M.	Ariz.	1412 15th St.
†ESGATE, EDITH	Iowa	2506 K St.
†EVANS, NORMA B.	N. Y.	1234 Mass. Ave.
EXLEY, CLARENCE M. JR.,	D. C.	1449 Monroe St.
FAIRFIELD, MYRA O.	Ind.	1760 Euclid St.
*FARLEE, HELEN MAY	D. C.	636 Irving St.
FARLIN, VIVIA S.	D. C.	2201 Potomac Ave.
FARNHAM, EDITH DEAN	Mich.	1933 Park Road
FARNHAM, LILLIAN PARKER	Md.	224 Woolton Ave., Chevy Chase, Md.
FARRELL, AGNES M.	D. C.	1424 Clifton St.
FARRIS, MAY	Ind.	3539 13th St.
*FEER, ELIZABETH ANNA	Mass.	1754 Columbia Road
FEREBEE, CORA BOUCHELLE	N. C.	1812 H St.
*FETTER, HELEN HARRIETT	D. C.	1526 29th St.
FIFIELD, VERA EVELYN	Mass.	1801 California St.
*†FINAGIN, LEROY	D. C.	3210 9th Pl. S. E.
FISCHER, HELEN REGINA	D. C.	1744 Lanier Place
*FISHER, ALINE M.	Ind.	1826 Calvert St.
*FITZGERALD, TERSEA	D. C.	P-Q Bldg., Govt. Hotels
*FLAHERTY, EMERY ROBERT	Va.	Herndon, Va.
FLANAGAN, MILDRED V.	Va.	3288 Hiatt Place
*FLEMING, JEAN B.	Ill.	V-W Bldg., Govt. Hotels
*FLETCHER, LILLIAN HILDA	Vt.	1489 Newton St.
*FLETCHER, PEARL A.	Mich.	42 Rhode Island Ave.
FLINN, THERESA M.	Pa.	2304 First St.
*FLOOD, GENEVIEVE	D. C.	1322 Mass. Ave.
FLYNN, ALICE W.	N. Y.	2603 Mozart Place
*FOLEY, MAE C.	Wis.	56 Channing St.
FORD, DORIS LILLIAN	Mass.	1240 11th St.
FOREMAN, GENEVIEVE	Ill.	1256 Columbia Road
*†FOSTER, ANITA H.	D. C.	1505 22d St.
*†FOSTER, E. M.	D. C.	1505 22d St.
FRAKER, ADA ELLEN	Tenn.	1124 12th St.

FRAKER, MAY	Tenn.	1124 12th St.
FRANTZ, FRIEDA A.	N. Y.	1416 R St.
FREEMAN, ELSIE M.	Ill.	1150 North Capitol St.
*FREEMAN, HARRIET A.	Ore.	2117 G St.
FREY, MABEL JOYCE	D. C.	1448 Park Road
*FRIX, LAURA GORDON	Ga.	Copley Courts
FROATS, GLADYS ETHEL	Minn.	113 Kentucky Ave. S. E.
FRYE, INA LEE	W. Va.	815 Conn. Ave.
FULLER, LOUISE	Ill.	436 10th St.
FUTTERER, LULU M.	D. C.	1446 N St.
*GAHN, BESSIE W.	D. C.	East Wardman Courts
*GALBRAITH, ESTHER E.	D. C.	3425 14th St. N. E.
A. B., 1914, George Washington University		
GALE, ELLEN F.	Minn.	Maryland Apt.
*†GANS, WILHELMINA BURTON	D. C.	The Iowa
GARBER, ELSIE S.	D. C.	1480 Harvard St.
GARDNER, KATHRYN	Mo.	1318 Harvard St.
GARGES, ISABEL ANNE	D. C.	1834 Calvert St.
GARRATT, INEZ E.	N. Y.	1336 11th St.
*GARRETT, BETTY B.	Pa.	1815 18th St.
†GARRETT, EDNA S.	N. Y.	V-W Bldg. Govt. Hotels
*GARVIN, RUTH I.	Ind.	617 M St. N. E.
*GARZIGLIA, MARIE HOWE	D. C.	2017 I St.
GATES, ISABEL LIKENS	D. C.	2735 Ontario Road
*GATES, MARGARET I.	D. C.	2735 Ontario Road
GATES, PHEBE CHAPPELL	D. C.	1901 18th St.
*GAUGHAN, FRANK J.	Pa.	1226 Mass. Ave.
GAULT, ANNA CAROLINE	N. Y.	508 5th St.
GERBER, ELLA M.	D. C.	701 Florida Ave.
*GERBER, HELEN CATHERINE	D. C.	The Iowa
GESSFORD, ROGER D.	D. C.	2536 14th St.
GIBSON, MARGARET C.	N. Y.	1206 Lamont St.
GILPIN, BETTIE	D. C.	14 Concord Ave.
GLANCY, MARY ELLA	Kans.	1110 M St.
GLEASON, MARY HANNAH	Mass.	I-K Bldg., Govt. Hotels
GLEISSNER, GRETCHEN L.	Minn.	633 Kenyon St.
GLENN, AMY	Texas	1325 11th St.
GLENN, SUE KATHRYN	Texas	1325 11th St.
GODDARD, EUNICE F.	Me.	112 Varnum St.
GOEHRING, RICHARD E.	Pa.	5102 14th St.
GOLD, DEBORAH IDA	Mass.	Tuxedo Apts.
†GORMAN, JOHN I.	D. C.	1317 Columbia Road
†GOTT, MARY E.	Mo.	1311 14th St.
GRAHAM, ALINE STOCKS	Va.	76 Monmouth Ave., Cherrydale, Va.
†GRAHAM, JAMES G.	N. Y.	Walter Reed Hospital
GRAHAM, LUCILE A.	Va.	Arlington, Va.
GRAHAM, MARY EDITH	D. C.	3015 Dunbarton Ave.
GRAMMER, ELIZABETH	Va.	3062 Q St.
*GRAVES, FLORENCE A.	D. C.	Smithsonian Institution
GRAY, WINIFRED A.	W. Va.	G-H Bldg., Govt. Hotels
GREENLEAF, WALTER JAMES	Me.	1012 17th St.
GREENUP, NELL BLANCHE	Mo.	1910 16th St.
*†GREER, CHRISTINE ANN	D. C.	207 S St.
GREGORY, L. BLANCHE	N. C.	1733 P St.
GRIFFITH, HAZEL ELIZABETH	D. C.	2116 Conn. Ave.

†GRIFFITH, OLIN N.	D. C.	2116 Conn. Ave.
GRIFFITH, VIRGINIA ROSEBERRY	D. C.	2116 Conn. Ave.
†GRIMMINGER, ANNA S.	Pa.	119 12th St. N. E.
GRONCKE, CHRISTINE	Md.	Brentwood, Md.
*GROSVENOR, LULU E.	Iowa	212 2d St.
GUEST, WILLIAM HENRY	S. C.	612 3d St.
†GUNNELLS, MARTHA	Md.	722 18th St.
GUNNISON, ELIZABETH I.	Neb.	216 E St. N. E.
GUNTER, DOROTHY C.	D. C.	1445 Mass. Ave.
*HAAS, FRIEDA K.	Ohio	2507 17th St.
HAGEMANN, ELEANOR FELICITAS	Germany	2141 Wyoming Ave.
*HALDERMAN, CHARLOTTE D.	Pa.	1358 Harvard St.
*HALEY, THERESE V.	D. C.	1341 Perry Place
*HALIDAY, JOSEPHINE BROMLEY	Pa.	608 A St. S. E.
*HALL, NETTIE RUTH	Ill.	808 Mass. Ave. N. E.
†HALLEY, ELLA I.	Md.	Mt. Rainier, Md.
*HALLINAN, MARY L.	D. C.	1723 Euclid St.
*HALVERSON, LILLIAN GRACE	S. Dak.	1028 16th St.
*HAM, MARY LUCY	N. Y.	401 6th St
*HAMELIN, GRACE CECILIA	Mass.	1495 Newton St.
HAMILTON, ANNA MARY	Pa.	626 D St. N. E.
*HANDY, MARIE BRECKENRIDGE	D. C.	1937 Park Road
HANLEY, LORETTA M.	Vt.	1304 Fairmont St.
†HANNAH, GEORGE M.	D. C.	608 I St. S. E.
*HANNON, ALLETA	D. C.	2120 G St.
*†HANSEN, DORA	Va.	Vienna, Va.
*HAPPER, HELEN CAMERON	Canada	1443 Belmont St.
*HARDY, CONYA L.	S. C.	1916 G St.
*HARGETT, HELEN RUTH	Kans.	1710 P St.
HARRIS, ANNA MARY	Ill.	1717 17th St.
*HARRIS, BIRDIE	Texas	1736 F St.
HARRIS, M. MARIE	Ill.	1717 17th St.
†HARRIS, PAULINE ELIZABETH	D. C.	2306 First St.
HARRIS, PHILIP R.	D. C.	1870 Monroe St.
HARRISON, MARGARET T.	N. J.	The Alabama
HARRISON, MARY I.	D. C.	619 23d St.
HARTMAN, ALFRED A.	Conn.	3456 Newark Ave.
*HARVEY, ABIGAIL	D. C.	2146 Florida Ave.
HARVEY, NELLE S.	Texas	1315 P St.
*HASLUP, LEANORE A	D. C.	2114 18th St.
*HAUSMAN, MARY LOUISE	D. C.	2347 Ashmead Place
HAY, MARY M.	Conn.	L-M Bldg., Govt. Hotels
HAYES, MARY ALETHA	Ind.	1515 Mass. Ave.
†HAYNES, HENRY	D. C.	1910 G St.
HEAL, BERNICE INDIA	Ind.	629 Lexington Place
†HEALY, THOMAS PATRICK	D. C.	58 Rhode Island Ave.
HEARIN, JAMIE HOLCOMBE	Ala.	1901 Wyoming Ave.
HEATH, LUCILLE O.	Wis.	1839 16th St.
HEATH, MYRTLE L.	Wis.	1839 16th St.
*HEBB, VIRGINIA E.	Md.	1205 15th St.
†HEDDEN, EVA M.	D. C.	1908 Belmont Road
HEFLIN, CECIL RANDOLPH	Va.	1226 13th St.
*HEIDLER, ANTOINETTE MARIE	Ill.	P-Q Bldg., Govt. Hotels
HEIN, YRSA	N. Y.	Wardman Courts, West
HEISS, MARGARET E.	D. C.	3712 Keokuk St.
†HEITMULLER, HELEN P.	D. C.	1505 22d St.
†HENDERSON, EMMA LOUISE	Colo.	1414 16th St.

HENDERSON, BERTHA	D. C.	2613 13th St.
*HENDERSON, JOHN RAYMOND	D. C.	3803 Keokuk St.
*HENDRIKSON, LYDIA	D. C.	1638 15th St.
*HENSKE, GODFREY W.	Mo.	Walter Reed Hospital
HERBERT, JAMES W.	D. C.	2020 G St.
HERRING, ANNIE F.	N. C.	128 E st. S. E.
*HERRING, ELEANOR EMMA	W. Va.	1326 Park Road
*HESTER, MARGARET	D. C.	2114 G St.
†HETTMAN, ANN M.	Ill.	1104 M St.
HICKEY, MARY J. C.	D. C.	516½ 2d St. S. E.
*HILEY, MARIHUE	Ala.	64 Randolph Place
HIRONIMUS, HELEN C.	Ind.	436 10th St.
*HOAGLAND, MARGARET TODD	D. C.	The Cordova
†HOCHWALT, EARL B.	Ohio	Walter Reed Hospital
HOFF, FLORA S.	N. Y.	1316 Euclid St.
HOFFMAN, DALE ELIZABETH	Mo.	1929 Calvert St.
HOLE, MYRA CADWALADER	D. C.	308, The Lonsdale
HOLLINGSWORTH, FAYE	Okla.	Fontanet Courts
HOLLINGSWORTH, GEORGE WAYNE	Okla.	Fontanet Courts
†HOLMES, EDITH F.	S. Dak.	2320 G St.
HOLMES, GRACE BRUCE	D. C.	721 Shepherd St.
*HOLMES, MRS. WILLIAM H.	D. C.	1454 Belmont St.
*HOLMES, RUTH MADELINE	D. C.	910 Webster St.
†HOLT, RALPH MANNING	N. C.	1600 Rhode Island Avenue
*HOOKER, BLANCHE F.	Ill.	2009 N St.
*HOOVER, MARTHA A.	D. C.	1340 Irving St.
HOPE, MARY	D. C.	1733 Q St.
HOPKINS, HELEN HILL	D. C.	1926 Biltmore St.
HORAN, AGNES C.	N. Y.	P-Q Bldg., Govt. Hotels
†HORNTHAL, HENRY AMISS	Va.	1717 35th St.
HOUGHTON, GRACE L.	Mass.	313 A St. S. E.
*HOUT, HARRY L., JR.	Va.	2015 Flagler Place
HOWE, LOUISE MARGUERITE	N. Y.	2137 LeRoy Place
HOWLETT, BESSIE	D. C.	1000 22d St.
HROMATKO, JANE S.	Iowa	1634 19th St.
HUBBS, WILMA M.	W. Va.	201 Tenn. Ave. N. E.
HUBER, ARISTA	Ohio	58 Bryant St.
†HUDSON, TERESA E.	Va.	1010 New Hamp. Ave.
†HUFF, FANNIE MAE	Tenn.	206 13th St. N. E.
*HULETT, ALICE M.	D. C.	108 9th St. S. E.
*HUMPHREYS, ELIZABETH FONTAINE	Miss.	1819/G St.
A. B., 1916, Sophie Newcomb College		
*HUNT, LESLIE L.	Ill.	5219 Georgia Ave.
HURST, LEE NORA	Ky.	621 Rock Creek Church Rd.
HYER, GRACE L.	D. C.	1332 9th St.
HYNES, WILLIAM JOSEPH	Mass.	715 Lawrence St.
HYSLOP, CLARENCE MONROE	Neb.	2519 Hall Place
*IEHL, LAUREL E.	D. C.	Cumberland Apts.
†ILES, CHRISTINE	Kans.	1207 Delafield Place
*IRVINE, THOMAS B.	D. C.	443 10th St. N. E.
IVEY, EDWARD	Tenn.	210 B St. S. E.
*JACKSON, EDITH PAULINE	Ind.	130 12th St. S. E.
JACKSON, JOHN VIRGIL	Mo.	1507 30th St.
†JACKSON, WALTER W.	D. C.	203 Fontanet Courts
JAMES, MINNIE MARGARET	D. C.	3317, General Land Office

*†JAKUES, DOROTHY SIBYL	D. C.	217 3d St. S. E.
JEFFERS, CLARIBEL	Ala.	214 2d St. N. E.
JENNINGS, HARRY PARKER	D. C.	1136 Buchanan St.
*JERMAIN, NINA LAURETTE	Mich.	1209 O St.
JERMAN, ANNE ELIZABETH	Ohio	1764 U St.
JERMAN, EDITH CATHERINE	Ohio	1764 U St.
JERMYN, MARION SHERLOCK	D. C.	908 11th St.
JEROLAMAN, VERA N.	Iowa	1315 K St.
JERVIS, C. MARIE	Md.	Fontanet Courts
†JEWETT, ELIZABETH ALICE	N. Y.	214 B St. S. E.
JOESTING, ALICE LILLIAN	Ill.	1858 California St.
*JOHNSON, CATHERINE K.	D. C.	2108 16th St.
*†JOHNSON, ESTHER	D. C.	214 5th St. S. E.
JOHNSON, GEORGE W., JR.	Md.	204 11th St. S. E.
JOHNSON, MARGARET L.	D. C.	1404 Emerson St.
JOHNSON, MINNIE JOSEPHINE	Ill.	2300 18th St.
JOHNSON, ROGER C.	D. C.	1324 Vermont Ave.
JOHNSTON, MARIE A.	Mass.	1929 18th St.
*JOHNSTON, ZADYE	N. Y.	1617 19th St.
*JONASSEN, INGRID	N. Y.	10 Rhode Island Ave.
JOYCE, SARA J. M.	Mass.	L-M Bldg., Govt. Hotels
*JUSTICE, MARGARET	N. C.	2113 Bancroft Place
*KAIN, HELEN GLADYS	D. C.	G. W. U. Medical School
A. B. 1917, George Washington University		
*KALABOKE, KYNAKE LILLIAN	D. C.	637 F St.
KAUFMANN, JAMES L.	Pa.	1135 17th St.
KEEL, SUSIE	D. C.	1316 K St.
*KEESLER, BETTY M.	Conn.	1501 16th St.
*KELIHER, NELLIE M.	D. C.	3455 14th St.
†KELLER, ESTHER MARY	D. C.	736 12th St.
*KELLER, RILLA MAE	Pa.	2126 H St.
KELLY, FLORENCE CLAIRE	Pa.	1014 Vermont Ave.
KEMP, DAISY B.	Mo.	War Risk Bureau
*KENNEDY, DOROTHEA	Wash.	2120 O St.
KERR, NELL W.	N. C.	656 Mass. Ave.
*KESSINGER, MARGUERITE D.	Pa.	2137 LeRoy Place
KESSLER, MARY L.	Ind.	Sherman Apts.
*KIEFER, ALPHA H.	Mont.	3521 14th St.
*KIEFER, CLARENCE M.	Pa.	2113 N St.
KING, MERRILL BARNETT	Ill.	1739 P St.
KIRK, MAY TOWLES	Md.	308 F St.
KIRKPATRICK, MARY REGINA	Mass.	22 R St. N. E.
†KIRSCHNER, SAMUEL	D. C.	1439 Chapin St.
*KLAUSER, EDNA MARIE	Ill.	1307 29th St.
*KLAUSER, GENEVA LUCILLE	Ill.	1307 20th St.
KLEPINGER, EDITH M.	Ill.	Monmouth Hotel
KNISELY, EDNA	Ind.	130 12th St. S. E.
†KOCHY, GENEVIEVE	Mich.	1113 11th St.
KRAL, GEORGIANA	D. C.	1814 Kilbourne Place
†KRAMER, CHARLES		
FREDERICK, JR.	Md.	College Park, Md.
KRIDER, IDA FRANK	Kansas	1362 Newton St.
†KRIENHAGEN, INEZ M.	Ind.	1416 K St.
*KROTZER, MARGARET E.	Iowa	1712 17th St.
KUHLMAN, WILLIAM D.	Va.	1938 Biltmore St.
†KUSCHKE, LILLIAN B.	Texas	3701 14th St.

KUTZ, MIRIAM L.	Ind.	1227 15th St.
LADD, MARY B.	D. C.	1781 Columbia Road
*LAMBERT, AILEEN J.	N. Y.	2540 14th St.
*LANCASTER, OLIVE	W. Va.	201 Tenn. Ave. N. E.
†LANCASTER, RUTH ELLEN	Ill.	X-Y Bldg., Govt. Hotels
†LANDER, KATHRYN DOUGLAS	Ky.	217 Falkstone Courts
LANE, MABLE	Wash.	E-F Bldg, Govt. Hotels
LANGWORTHY, DORIS W.	D. C.	1424 Madison St.
†LARSEN, ARNOLD CONRAD	D. C.	Marine Barracks
*LARSON, EVE PEARLE	Ill.	1929 Calvert St.
LASKER, DAVID HAROLD	Mass.	The Maury
A. B., 1919, Boston University		
*LATIMER, BLANCHE	Mo.	1100 New Hamp. Ave.
†LATIMER, MARGARET E.	Md.	U. S. Geological Survey
*LAURENCE, ELSIE H.	Canada	41 Girard St. N. E.
LAW, ADA COOPER	Fla.	706 11th St.
†LAWSON, EDWARD BURNETT	D. C.	206 13th St. N. E.
LEAHY, EMELIA A.	Ill.	1705 13th St.
*LEGGETT, FLORENCE M.	Md.	104 Raymond St., Chevy Chase, Md.
*LEHMANN, MARIE C.	D. C.	420 East Capitol St.
LEIGHTON, SARAH JANE	D. C.	2141 Wyoming Ave.
LENNON, JESSIE M.	Pa.	10 Rhode Island Ave.
*LESLIE, RUTH	Miss.	1740 K St.
LESSER, ISADOR	Mass.	925 N St.
*LEVINSON, KATHERINE	D. C.	623 M St.
†LEWIS, CATHERINE DEMILLE	N. Y.	744 Newton St.
†LILE, CAROLYN WORD	D. C.	517 Park Road
LINTZ, DOROTHY	N. Y.	2506 K St.
LITTLE, ANNIE S.	Ohio	R-S Bldg., Govt. Hotels
LIVINGSTON, LOUIS	D. C.	2511 14th St.
*LIVINGSTON, NORA E.	Ore.	X-Y Bldg., Govt. Hotels
LOCKE, VERNIE M.	N. Y.	Clarendon, Va.
*LOCKRIDGE, RICHARD O.	Mo.	1355 Monroe St.
LOCKWOOD, MARY MORRIS	N. J.	1729 H St.
LOHMANN, BLANCHE	D. C.	429 4th St. N. E.
LOHRER, FLORENCE	Ohio	729 3d St. N. E.
LONEY, HOWARD C.	D. C.	712 Rock Creek Church Rd.
*LONG, CARLETON MANSFIELD	Md.	Smithsonian Inst.
LONG, WILLIAM SLAUGHTER	D. C.	621 Lexington Pl. N. E.
LONGFELLOW, ALICE	Neb.	41 Girard St. N. E.
†LOVE, ELLEN L.	Va.	3746 McKinley St.
LOVELESS, RUAH C.	D. C.	1820 K St.
LUCAS, HARRY T.	D. C.	1869 Wyoming Ave.
*LUKENS, DOROTHY H.	D. C.	1721 21st St.
*LUKENS, RUTH ANNA	D. C.	2402 14th St.
†LUTIS, MAUDE	Ky.	1639 W St. S. E.
LYNN, HYLDA MARIE	Fla.	926 B St. S. W.
*†McCABE, JEANETTE	N. C.	1259 New Hamp. Ave.
*†McCALL, M. PEARL	Idaho	139, Senate Office Bldg.
*McCANDLESS, IDA	Mo.	2055 Park Road
*McCARTHY, DEBORAH A.	Va.	Cherrydale, Va.
McCARTHY, WILLIAM ANTHONY	Va.	Cherrydale, Va.
McCARTY, ONETA	Wash.	1439 Park Road
*McCLAIN, ANNA BRADFORD	Mo.	808 Mass. Ave. N. E.
*†McCLELLAND, VESTA G.	Ill.	1424 R St.
*McCLOSKEY, CATHERINE E.	Okla.	1354 Otis Place

McCLURG, BLANCHE	Ind.	1527 O St.
McCONNELL, MARY GLADYS	Texas	40 T St.
McCREADY, HELEN B.	Canada	1501 11th St.
McCULLY, LETHA M.	Okla.	1337 Park Road
*McELIGOTT, AGNES B.	Ill.	4506 15th St.
*McFADDEN, RENNIE	Pa.	1014 B St. S. E.
†McFARLANE, JENNIE G.	Wis.	1343 Park Road
McGOVERN, J. W.	D. C.	Chatham Courts
†McGOVERN, MARY LOUISE	D. C.	Chatham Courts
McGOVERN, MILTON	D. C.	Chatham Courts
*McINTYRE, EFFIE CAROLINE	D. C.	2006 Columbia Road
McJUNKIN, MAYBELLE	Ala.	3417 Holmead Place
McKELWAY, ALEXANDER		
JEFFREY	D. C.	2071 Park Road
*McKINNEY, MYRNA ESTELLA	Pa.	608 A St. S. E.
†McMULLIN, DELLA MARIE	Ill.	231, The Portner
*McNAMARA, ELIZABETH G.	N. Y.	1350 Monroe St. N. E.
McNULTY, KATHERINE S.	Colo.	323 2d St. S. E.
†MacBRIDE, NELLIE M.	Pa.	601 E St.
†MacDONALD, JUNIUS ROUMAINE	N. C.	1736 G St.
†MacDOUGAL, HELEN A.	Ill.	1321 Belmont St.
*MacINTOSH, LULU M.	D. C.	821 North Car. Ave. S. E.
†MacKEVRICAN, MARGARET	Pa.	487 F St. S. W.
*MacSWEENEY, ELIZABETH		
FRANCES	Mass.	1401 Emerson St.
†MADEIRA, ELIZABETH B.	Ohio	1467 Monroe St.
*MAGEE, DIMPLE	D. C.	1448 Girard St.
MAGIE, HAZEL	Md.	Bethesda, Md.
MAGUE, ETHEL M.	Mass.	1603 G St. S. E.
*†MAHOOD, F. MILDRED	Pa.	1841 Mintwood Place
*MALCOLM, EDWINA ROSE	N. Y.	1840 North Capitol St.
*MALLORY, WALTER L.	Va.	Cherrydale, Va.
MALONEY, EMMA J.	D. C.	The New Berne
MANCHESTER, ANNE J.	Pa.	The Ethelhurst
*MANDERSCHIED, JANE		
TOMPKINS	D. C.	1412 Mass. Ave.
*MANGUM, JAMES EVANS	Ga.	802 21st St.
MANNING, CLYDE A.	Ga.	1306 Euclid St.
MARCUS, IDA F.	Pa.	P-Q Bldg., Govt. Hotels
MARLOW, JOHN HOWARD	D. C.	The Kenesaw
†MARLOWE, MABEL	Okla.	219 A St. S. E.
*MARSH, DOROTHY	D. C.	1446 Fairmont St.
MARSHALL, FLORENCE E.	N. H.	1343 Clifton St.
*MARSHINO, ORA	Ky.	Children's Bureau
*MARTIN, CLARE C.	D. C.	709 Quincy Place
MARTINSON, ELLEN	Minn.	1415 Mass. Ave.
MASON, BESS M.	Ky.	510 Randolph St.
*MASON, FAYE	Ohio	1319 Mass. Ave.
MATHEWS, CLAIRE	Colo.	400 A St. S. E.
*MATTERN, JOHN HENRY, JR.	N. Y.	1314 Mass. Ave.
*MAURER, FLORA K.	Ill.	1412 Chapin St.
MAY, CAROLINE	Ill.	718 19th St.
*MEADE, GEORGE A.	Mass.	The Maury
MEARS, ATHERTON H.	D. C.	3917 Livingston St.
†MELENCIO, JOSE P.	P. I.	2618 Conn. Ave.
*MENZIE, EDNA M.	N. Y.	1652 Park Road
*MERCER, LOUISE M.	Ohio	1319 Mass. Ave.

†MERRILL, BLANCHE E.	D. C.	731 22d St.
†MERRILL, ESTHER IRENE	D. C.	731 22d St.
MERRILL, GWENDOLYN IRENE	Ohio	1764 U St.
*MICHOT, ANNIE EUGENIA	Texas	1812 N St.
MILES, EDITH CAROLINE	Mass.	V-W Bldg. Govt., Hotels
*MILES, MABEL	Mont.	1252 Columbia Road
MILLER, CLAUDIA S.	Va.	337 North Car. Ave. S. E.
*MILLER, ERMA C.	Wis.	3600 New Hamp. Ave.
*MILLER, EVA	Iowa	2506 K St.
†MILLER, HAZEL A.	Neb.	3327 17th St.
MILLER, MAUD L.	Mich.	504 B St. N. E.
*MILLER, RUTH A. D.	Pa.	2120 P St.
MILLS, GRACE E.	Miss.	411c Wardman Park Hotel
†MINICK, ROMAYNE E.	Pa.	1116 Vermont Ave.
MINNIX, CATHERINE	D. C.	1328 Randolph St.
MIX, ANNA E.	Md.	113 Maryland Ave. N. E.
†MIXTER, PAUL	Mich.	1842 Calvert St.
†MOERMAN, LOUIS F.	Pa.	1343 Franklin St. N. E.
MOLSTER, JEAN LAWSON	D. C.	934 Kearney St. N. E.
MON, ORA MAY	Ill.	The Sherman
MONAHAN, ANNE RACHEL	N. J.	2501 Irving St.
*MONAHAN, HELEN F.	D. C.	161 Rhode Island Ave. N. E.
*MONAHAN, J. EDITH	Ind.	A-B Bldg. Govt., Hotels
*MONROE, SARAH AGNES	Va.	1840 Biltmore St.
*MOODY, LUTA M.	Mo.	1323 R St.
*MOORE, C. L.	Tenn.	1735 F St.
*MOORE, JULIA ANNE	Texas	115 I St.
*MOORE, PAUL H.	D. C.	1965 Biltmore St.
*MORAN, EMILY	Calif.	119 C St. N. E.
*MORAN, MARGARET LOUISE	D. C.	1727 Columbia Road
†MOREY, LILVAN C.	Minn.	1412 Crittenden St.
MORGAN, ALETHA JULIA	D. C.	47 Seaton Place
MORGAN, RALPH E.	Pa.	721 Butternut St.
*MOSELEY, ELIZABETH L.	Texas	918 M St.
*MOSELEY, LUCILLE C.	Ky.	1336 11th St.
*MULCAHY, ANNA R.	Pa.	1412 Chapin St.
*MUNRO, CAROLINE WALKER	N. J.	1413 Mass. Ave.
MURPHY, M. REGINA	Mass.	1318 Harvard St.
MURRAY, ESTHER L.	Md.	714 Upshur St.
†MURRAY, THELMA MARIE	Ala.	1631 R St.
MUSE, BENJAMIN	Va.	1833 M St.
*MYERLY, PAULINE	Ind.	The Cordova
†MYERS, BROWNIE P.	Miss.	1116 Vermont Ave.
*†MYERS, GEORGE ALBERT	D. C.	649 Md. Ave. N. E.
†MYERS, RUTH	Ill.	1372 Kenyon St.
†MYERS, TEXIE D.	Miss.	1116 Vermont Ave.
NATHANSON, ESTHER	Va.	1414 12th St.
*NAUCK, OSCAR	D. C.	5808 Georgia Ave.
NAYLOR, MARY BODINE	D. C.	629 12th St. N. E.
NEIDIG, CHRISTINE ESTELLE	Pa.	37 Rhode Island Ave.
*NELSON, CARL HILDING	Mass.	Arlington, Va.
*NELSON, RUTH J.	D. C.	502 E St. N. E.
*NESTROM, MATHILDA	Mich.	2560 University Place
NEUMAN, VIOLA M.	Va.	Clarendon, Va.
*NEWELL, WILLIAM C.	N. C.	2511 14th St.
NEWHOUSE, CHARLES A.	Ind.	214 New Jersey Ave.
NEWHOUSE, PANSY E.	Ind.	214 New Jersey Ave.

NEWHOUSE, RUBY M.	Ind.	214 New Jersey Ave.
NEWMAN, AGNES M.	Va.	3617 New Hamp. Ave.
†NICHOLS, ALICE VIRGINIA	D. C.	517 Rhode Island Ave.
NICHOLS, GRACE D.	Mass.	L-M Bldg., Govt. Hotels
NICHOLS, LOIS	D. C.	4006 New Hamp. Ave.
NICHOLS, STANLEY W.	Ill.	1346 Park Road
NICHOLSON, FAY M.	S. Dak.	1515 Mass. Ave.
NICHOLSON, MARGARET M.	D. C.	1000 Maryland Ave.
NIEMEYER, ERNESTINE	D. C.	1708 Lawrence St. N. E.
NISSSEN, CARL C.	D. C.	4203 Fessenden St.
*NOLAN, TERESA AGNES	N. Y.	Monmouth Hotel
NOLL, HAZEL	Pa.	Y. W. C. A. Silver Spring, Md.
*NORDLINGER, JENNYE	D. C.	3113 N St.
NORRIS, JENNILU	Ga.	31 B St.
NORTHRUP, EDYTHE C.	D. C.	Stratford Hotel
NORTON, ANNA BESSIE	D. C.	804 Rhode Island Ave.
*NORTON, GOLDER BARNES	D. C.	804 Rhode Island Ave.
NOURSE, MARGARET R.	Va.	U. S. Geological Survey
NOYES, MARTHA	Pa.	1219 12th St.
*NYE, MABEL A.	N. Y.	2603 Mozart Place
O'CONNELL, MARY	Ind.	809 22d St.
O'DONNELL, MARY A.	Ill.	1430 Longfellow St.
ODSTED, FLORENCE C.	N. J.	3640 11th St.
OGDEN, VIVIAN	Mo.	1436 R St.
*OLIVER, ELSIE MAY	Va.	1447 Girard St.
†OLIVER, ESTELLE ISABEL	Texas	605 P St.
OLSEN, GEORGE L.	Minn.	1829 L St.
*ORMEROD, F. BERNICE	D. C.	4104 4th St.
*ORMEROD, LUCY L.	D. C.	4104 4th St.
†O'ROURKE, CAROLYN	D. C.	1726 Mass. Ave.
OSBORN, ELEANOR RUSSELL	Conn.	1812 H Street
*OSBORN, HARRY ELLIS	Mich.	1624 I St.
OSTER, MARIE V.	Minn.	Rosslyn, Va., R. 1
OVERBEY, DORA	Tenn.	1028 16th St.
OWEN, LOU C.	Tenn.	Blue Triangle House, N. Cap. and E Sts.
OWENS, CLARENCE J., JR.	Md.	Southern Bldg.
*OWINGS, HAZEL E.	Md.	143 D St. S. E.
*PABST, ANNA M.	D. C.	4622 15th St.
*PALMER, CATHERINE I.	D. C.	Wardman Courts, West.
*PALMER, FLORENCE G.	D. C.	812 Upshur St.
*PARENT, CLARA	R. I.	R-S Bldg., Govt. Hotels
*PARK, EVELYN P.	Me.	1621 17th St.
†PARKER, ALICE O.	Ill.	7 Iowa Circle
PARKER, CLARENCE WALTER	D. C.	933 N St.
*PARKER, MARIAN ELIZABETH	N. Y.	2603 Mozart Place
†PARLIER, RUTH	Ill.	1819 G St.
†PATTERSON, ELSIE	D. C.	316 Wardman Courts, West
PATTON, BESSIE	Kans.	1819 G St.
*PAULY, ELMER G.	D. C.	514 Lamont St.
PAYNE, HOWARD S.	Va.	436a Warner St.
†PAYNE, JOHN BYRD	Va.	418 Warner St.
*PECK, FRANCIS PATTISON	D. C.	1448 Fairmont St.
†PECKHAM, WINIFRED A.	Pa.	1841 Mintwood Place
PEES, PEARL LUVERNE	D. C.	1345 Q St.
PIERCE, LOTTIE M.	D. C.	229 Pa. Ave. S. E.
PEPPER, FRANCES W.	D. C.	2006 N St.

†PERDUE, THOMAS F.	D. C.	110 5th St. N. E.
PERKINS, MANLIUS MILLS	Vt.	2211 H St.
†PERRY, HARRY LEO	Iowa	1601 31st St.
PERRY, SHELBY	D. C.	48 G St. S. W.
*†PETERS, DORA C. M.	D. C.	1520 9th St.
PETERS, MAURICE	Wis.	717 8th St. N. E.
PETERSON, LOTTIE J.	Minn.	1133 Allison St.
PETERSON, PHOEBE L. D.	Kans.	2622 11th St.
PHELPS, ANNABELLE WINGATE	D. C.	2641 Garfield St.
PHILBROOK, MARY	N. J.	1730 H St.
†PILCHER, RUTH ELIZABETH	D. C.	2118 18th St.
PITCHER, LOIS	D. C.	3910 McKinley St.
PITTARD, ORELLA	Va.	800 10th St.
PIXLEY, CATHERINE H.	Fla.	119 U St.
PLATE, ETHEL LORENDA	Pa.	511 Columbia Road
PLUMMER, MARGUERITE	Ind.	214 New Jersey Ave.
†POLLOCK, REBECCA	Okla.	1743 Pa. Ave.
*POMEROY, EUGENE C.	N. J.	2023 O St.
*POMEROY, MRS. EUGENE C.	N. J.	2023 O St.
†POPE, CHESTER A.	N. Dak.	2114 G St.
POPE, WALTER HOWARD	Ohio	Y. M. C. A.
†POPESCU, VALENTINE C.	Mo.	724 7th St. S. E.
*PORTER, CHARLES W.	D. C.	1328 Fairmont St.
*PORTER, GLADYS I.	Me.	941 H St.
PORTER, IRIS L.	Ky.	2010 O St.
POSTLEY, OLIVE C.	D. C.	1362 Irving St.
*POWELL, LILLIAN B.	Tenn.	1662 Park Road
*POWELL, MARY L.	D. C.	628 6th St. N. E.
PRENDER, ELIZABETH	D. C.	747 10th St. S. E.
*PRENDERGAST, BERTHA M.	D. C.	1504 12th St.
PRETTYMAN, HAZEL E.	Ohio	1341 Irving St.
*PRIBULA, STEPHANI	Md.	Mt. Rainier, Md.
†PRITCHETT, ETHEL	D. C.	1745 Kalorama Road
PROCHASKA, INEZ M.	Mich.	925 New York Ave.
PURSGLOVE, ELSIE M.	D. C.	1530 25th St.
*PUTNAM, BERTHA A.	D. C.	1231 Talbert St. S. E.
†PUTNAM, PERSIS	Ill.	X-Y Bldg., Govt. Hotels
*QUICK, RUTH G.	D. C.	14 Jackson Place
*QUINLAN, BEATRICE M.	Ohio	1858 Columbia Road
QUIRK, ELLEN M.	D. C.	1332 I St.
RAGAN, ELEANOR M.	Mo.	1431 Newton St.
†RANDALL, KATHERINE C.	Minn.	The Brunswick
RASUL, H. GALUMU	P. I.	Bureau of Insular Affairs
*RAY, RUTH R.	Okla.	Y. W. C. A., Silver Spring, Md.
REBUSCHATIS, MARION	D. C.	3228 Hiatt Place
†REED, ALBERT C.	D. C.	1741 F St.
REED, DORIS M.	Mich.	1936 Calvert St.
†REID, DON C.	Iowa	1404 12th St.
REILEY, ELIZABETH W.	Pa.	1028 16th St.
*REINOH, BESSIE ENDERS	Ohio	1105 13th St.
*RENSHAW, MARY M.	D. C.	1213 Fairmont St.
*RICE, LOUISE GERTRUDE	D. C.	1012 Spring Road
RICHARDS, FLORENCE LOUISE	Ohio	1209 13th St.
RICHARDSON, JAMES DEE	D. C.	1832 Biltmore St.
†RICHARDSON, WILLIAM W.	D. C.	1121 10th St.
*RICKER, ANNE ELIZABETH	Va.	Rosslyn, Va., R. F. D. No. 4

RICKER, KATE A.	Va.	1009 K St. N. E.
RICKETTS, CHARLES W., JR.	D. C.	1742 F St.
*RIDER, INA G.	D. C.	1254 Irving St.
RIGHTER, MARY Y.	D. C.	717 H St.
*RIORDAN, AGNES	D. C.	3114 18th St.
ROBBINS, ELIZABETH	Colo.	E-F Bldg., Govt. Hotels
†ROBERTS, ANNIE P.	Va.	1612 King St., Alexandria, Va.
ROBERTS, BESSIE M.	Kans.	1341 Otis Place
ROBEY, GRACE HELEN	Md.	2118 G St.
ROBINSON, MARGUERITE	Colo.	2560 University Place
ROBINSON, M. EDITH	D. C.	1415 Park Ave.
*RODRIGUEZ, TERESE	D. C.	814 22d St.
*ROGERS, DAISY L.	Miss.	1105 O St.
*RONALD, MARJORIE C.	Ill.	2137 LeRoy Place
*RONNDEY, FLORENCE E.	D. C.	Wardman Courts, East
*RORER, EULA	D. C.	1800 K St.
ROSE, HELEN TRENT	Md.	Hyattsville, Md.
ROSE, MYRTLE B.	Vt.	1905 15th St.
ROSENBLOOM, SARA R.	Pa.	20th and Florida Ave.
†ROUECHE, WILLIAM N.	Pa.	Georgetown Univ.
ROYER, ALBERT T.	Ohio	1202 N St.
*RUNKLE, EVELYN CAROLYN	Ohio	223 Rock Creek Church Rd.
RUPERT, PEARL P.	D. C.	539 21st St.
RUSS, LUCY	Ohio	1105 East Capitol St.
*RUSSELL, EUGENE W.	Va.	Iowa Circle
†RUSSELL, MARY PORTER	Tenn.	1320 21st St.
*RYLAND, ROBERT A.	Va.	1204 O St.
*SALQUIST, EDITH CAROLYN	Calif.	449 Luray Place
SAMUELS, LEROY T.	D. C.	1925 35th St.
†SARGENT, ANNIE M.	D. C.	1749 18th St.
SAUNDERS, FLORENCE M.	Texas	2276 East Capitol St.
*SAVAGE, ROBERT W.	D. C.	623 Maryland Ave. N. E.
*SCHARF, JOHN G.	D. C.	3411 Brown St.
*SCHIFFER, MARIE V.	Mich.	U. S. National Museum
†SCHILLER, MILFORD	D. C.	1328 Quincy St.
SCHOFIELD, E. ELEANOR	Va.	3501 14th St.
*SCHOLEN, HANNA	Wash.	2002 G St.
†SCHOOLER, YETTA BETTY	D. C.	624 4½ St. S. W.
SCHREPPER, BERTHA	Calif.	1909 North Capitol St.
SCHUBERT, AILEEN	D. C.	219 East Capitol St.
*SCHUKRAFT, INEZ VIVIAN	Ind.	1350 Irving St.
SCHUTZ, NICOLAS	D. C.	1750 M St.
*SCHWARTZ, ROSE	N. Y.	1440 Meridian Place
SCOTT, ALICE B.	Md.	2554 University Place
*SCULLY, GENEVIEVE	N. J.	1833 M St.
†SEAMANS, GLADYS B.	Ill.	119 C st. N. E.
SESTA, JOSEPH	N. J.	707 22d St.
SEVERSON, PAUL ALBERT	Mo.	2014 G St.
SHAFER, WILLIAM	N. Y.	1430 V St.
†SHAFFER, VERNIE M.	Pa.	1305 Rhode Island Ave.
SHAH, PAN FRANCIS	China	2001 19th St.
*SHAW, ELIZABETH M.	Md.	234 E st. N. E.
*SHAW, JOSEPHINE	N. Y.	P-Q Bldg., Govt. Hotels
SHEA, MARY FRANCIS	D. C.	732 Morton St.
*SHEPHERD, MARGUERITE	D. C.	2011 F St.
SHELDRAKE, MARY OSWALD	Pa.	338 10th St. N. E.

SHIPLEY, CARRIE H.	D. C.	1467 Irving St.
†SHIVELY, EVA THAYER	D. C.	3121 Mt. Pleasant St.
*SHORT, IDA	S. Dak.	1204 N St.
SHOWERS, ESTHER M.	Wash.	931 H St.
*SHROPSHIRE, JUANITA	Texas	1819 G St.
†SIMMERS, ROBERT L.	Pa.	505 2d St.
SIMON, LOIS JOSEPHINE	D. C.	1414 Girard St.
†SIMPKINS, DOROTHY K.	Neb.	1800 New Hamp. Ave.
SIMPSON, GRACE E.	Mass.	1439 T St.
*†SINGLETON, INA DUVALL	D. C.	2020 H St.
SIX, FRANCIS G.	Ill.	1819 Kalorama Road
*SKRONDAL, ALICE	Wash.	1819 G St.
SLAYBACK, LUCILE	Ark.	N-O Bldg., Govt. Hotels
SMITH, ALICE CORNELIA	Conn.	3242 38th St.
*SMITH, DAVID PRESTON	D. C.	3145 Mt. Pleasant St.
*SMITH, ELSIE C.	D. C.	1363 Spring Road
*SMITH, FLORENCE J.	Iowa	1712 17th St.
SMITH, HAZEL E.	Ind.	G-H Bldg., Govt. Hotels
SMITH, HELEN	Wis.	36 W St.
†SMITH, HELEN C.	D. C.	1209 B St. N. E.
SMITH, ISABELLE GEDDES	D. C.	Portland Hotel
SMITH, J. VIRGINIA	Pa.	428 10th St. N. E.
SMITH, MARIANA	Ky.	1432 M St.
SMITH, MARY P.	D. C.	1315 Clifton St.
SMITH, SUSIE C.	Me.	1842 2d St.
†SMITH, THERESA BRICK	D. C.	3401 16th St.
SNELL, NINA M.	Kans.	1428 Newton St.
*SNODGRASS, WILLIAM E.	Ill.	1804 Kilbourne Place
SOKOLOV, HARRY E.	D. C.	32 Q St.
SOUTHWELL, MARIE C.	Ill.	2138 California St.
*SOUTHWICK, ADELAIDE	D. C.	1226 Pa. Ave. S. E.
SOWERSBY, ORA	D. C.	Natl. Zoological Park
*SPRUCE, SAMUEL STUART	D. C.	1669 Columbia Road
STAGER, CECIL GAYMAN	D. C.	419 Quincy St.
†STANBACK, LESTER	Miss.	1104 Vermont Ave.
STARR, Relda A.	N. Y.	120 Randolph St.
STEIN, HATTIE	D. C.	Concord Apts.
*STERNER, HOPE R.	Pa.	3465 14th St.
STEVENS, JAMES EDELBERT	Ind.	2134 H St.
*STEVENS, MARY C.	D. C.	1333 F St.
*STEVENSON, MARJORIE	D. C.	1812 Ingleside Terrace
†STEVENSON, MAURICE S.	Kans.	Walter Reed Hospital
STEWART, ALMA TIFFANY	Va.	1709 Q St.
STEWART, EUGENE WILSON	Ill.	1831 Vernon St.
STEWART, GRACE	W. Va.	2 I St.
STIMMEL, BESS E.	Mich.	1443 Belmont St.
*STINE, (Mrs.) OSCAR C.	D. C.	3810 Keokuk St., Chevy Chase, D. C.
*STOEN BENNETT A.	Minn.	422 2d St.
STONE, CLARA S.	Ky.	1414 K St.
†STONE, EDNA L.	D. C.	1618 Rhode Island Ave.
STONE, MARY PACCIARINI	D. C.	Colorado Bldg.
STONEBRAKER, FLORENCE E.	D. C.	3433 Oakwood Terrace
STRATBUCKER, LOUISE	Neb.	G. W. U. Hospital
*STRAWN, ELLA E.	Md.	Landover, Md,
STRONGIN, HERMAN F.	D. C.	1736 G St.
STUARD, MABEL E.	D. C.	2118 I St.

*STUDDS, CLARA R.	D. C.	1409 New Jersey Ave.
†STYLES, ELIZABETH MORGAN	Va.	Falls Church, Va.
SUIT, ARTHUR M.	Mich.	Continental Trust Bldg.
†SULLIVAN, FLORENCE	Pa.	1304 Shepherd St.
SULLIVAN, JAMES FRANCIS	Mass.	502 First St. S. E.
†SUMMERS, PAUL D.	Wash.	1316 Euclid St.
*SUTHERLAND, VIRGINIA B.	W. Va.	2119 Conn. Ave.
SUTTON, DON F.	D. C.	2013 G St.
SWAIN, CHRISTINE	N. Y.	310 Indiana Ave.
SWANSON, EDNA M.	Minn.	1351 Otis Place
SWETT, VIRGINIA	D. C.	15 Grafton St., Chevy Chase, Md,
SWITZER, BESSIE	D. C.	3517 13th St.
*TALLENT, ROXIE E.	Tenn.	1405 G St. S. E.
TAPLEY, GLADYS	D. C.	233 Tenn. Ave. N. E.
*TAYLOR, BLANCHE	Ill.	21 First St.
†TAYLOR, DOROTHY E.	D. C.	2534 13th St.
TAYLOR, ELLEN M.	Tenn.	1023 16th St.
TECH, RUTH E.	Ind.	P-Q Bldg., Govt. Hotels
TEILLARD, DOROTHY L.	D. C.	131 A St. N. E.
TERRELL, WILLIAM PRESCOTT	D. C.	917 18th St.
*THOMAS, GRACE DEBORAH	D. C.	456 M St.
*THOMAS, LILLIE M.	D. C.	626 Park Road
THURLBY, GLADYS LEONE	Ohio	The Plaza
THURSTON, CLARENA N.	N. Y.	1525 First St.
*TITUS, HELEN E.	Pa.	2014 F St.
*TODHUNTER, EUGENIA H.	D. C.	1822 16th St.
†TOWERS, KATHERINE M.	N. Y.	2509 17th St.
TOWSLEY, ALICE M.	Me.	1258 Columbia Road
*TREANOR, HONORIA SAPELO	Ga.	1436 N St.
TREIMAN, MARTHA	Pa.	P-Q Bldg., Govt. Hotels
TROTT, FLORENCE	Ill.	1350 Monroe St.
†TRUE, MABEL M.	Iowa	1706 Rhode Island Ave.
TRUNDLE, MAY H.	D. C.	1409 Webster St.
*TULLY, MARGARET R.	Vt.	1342 13th St.
TUOHY, ANNA	N. Y.	413 2d St.
TURNER, MABEL L.	Wash.	314 Rutland Courts
TURNER, PATTIE MANGUM	D. C.	506 East Capitol St.
*TYDINGS, MARY L.	D. C.	1516 P St
*TYREE, ELIZABETH RIGBY	D. C.	1328 Maryland Ave. N. E.
*UMHAU, CHRISTINE K.	D. C.	3305 16th St.
*UMHAU, KATHERINE S.	D. C.	3305 16th St.
*UNRUH, JUNE M.	Kans.	130 Adams St.
*VANCLEAVE, DORA M.	Colo.	1200 Mass. Ave.
*VANDALEN, LILLIAN I.	Ind.	X-Y Bldg., Govt. Hotels
VAUGHAN, WILLIAM E., JR.	D. C.	2015 First St.
VELIE, EDNA M.	N. Y.	1235 Girard St.
*VESTAL, RUFUS M	D. C.	309 Shepherd St.
VINCEL, EDNA B.	Va.	Federal Trade Com.
†VINCENT, WALTER J.	Md.	2026 G St.
VOELKER, ARTHUR H.	D. C.	1439 Rhode Island Ave.
†VOGT, GRACE K.	Ohio	132 C St. N. E.
VOIGT, ANNA M.	S. Dak.	3640 11th St.
VORHALE, EMMA H.	Wis.	The Cordova
*WADLEY, ANNA	Ga.	1817 F St.
*WALKER, ANN M.	D. C.	1363 Fairmont St.
WALKER, EFFIE L.	Miss.	223 Florida Ave.

WALLACE, BRYAN E.	D. C.	521 Shepherd St.
*†WALLACE, MARION	Md.	6402 Ridgewood Ave., Chevy Chase, Md.
WALTERS, MARY JANE	Va.	1633 29th St.
WARD, IDA C.	Pa.	1326 Mass. Ave.
†WARFIELD, EDGAR ASHBY	Va.	501 King St., Alexandria, Va.
WARK, LILLIAN W.	Mo.	C-D Bldg., Govt. Hotels
*WARNEHE, CORNELIA A.	Ill.	2120 G St.
†WARNER, ANNA P.	D. C.	2001 16th St.
WARREN, CHRISTINE	Ky.	1008 Mass. Ave.
WARREN, LULA KADREY	D. C.	915 L St.
WATKINS, MARIE O.	D. C.	155 Kentucky Ave. S. E.
*WATTS, GLADYS	Mo.	322 Maryland Ave. N. E.
WEAVER, SUE E.	N. C.	1346 Fairmont St.
WEBB, MARION ALICE	D. C.	1400 Fairmont St.
WEBB, VIRGINIA JOHNS	Va.	1014 Vermont Ave.
WEBSTER, ELEANORA C.	D. C.	104 5th St. N. E.
*†WEED, CONSTANCE	N. Y.	1495 Newton St.
*WEEKS, SALLIE PRESTON	D. C.	3445 Newark St.
WEINBERG, LENORA	D. C.	433 2d St. S. E.
WEISS, HYMAN L.	D. C.	General Land Office
†WELLS, EDNA BARRON	Tenn.	R-S Bldg., Govt. Hotels
WELLS, F. ESTELLE	Tenn.	1434 Harvard St.
WELLS, LESLIE G.	D. C.	1227 Girard St.
WELLS, MARIE	Mo.	417 Randolph St.
WELLS, MARY ELIZABETH	Ohio	1341 Irving St.
WEST, RENA B.	D. C.	224 3d St. S. E.
WETZEL, ELSIE AMELIA	Ill.	4411 39th St.
WEYL, CELESTE MARIE	Ill.	1230 Mass. Ave.
*WHEATLEY, CHARLES FELLOWS	D. C.	1330 Florida Ave.
†WHEELER, CATHERINE	Pa.	I-K Bldg., Govt. Hotels
WHEELER, MAUD INEZ	Mich.	2831 Georgia Ave.
†WHITAKER, CLONA	Ind.	1407 Perry Place
†WHITE, RUTH MARIETTA	R. I.	905 East Capitol St.
*WIDMEYER, YOLANDE	Va.	The Rochambeau
†WIESER, FLORENCE W.	D. C.	1307 Columbia Road
WILDERMUTH, NORMA	Ohio	1524 A St. N. E.
*WILKEN, CEDAR B.	N. Y.	1715 North Capitol St.
WILKIE, ROBERT TUSCH	Ind.	1219 I St.
*†WILLCOX, EMMA P.	D. C.	The Thomas
WILLEY, MAUD S.	D. C.	1840 Vernon St.
WILLIAMS, EARLINE B.	N. J.	1401 31st St.
WILLIAMS, ESTHER L.	N. Y.	Lanham, Md.
*WILLIAMS, FLORENCE V.	Ky.	L-M Bldg., Govt. Hotels
WILLIAMS, HAZEL F.	Ind.	G-H Bldg., Govt. Hotels
WILLIAMS, JOHN HIGGINS	Ky.	1443 Mass. Ave.
WILLIAMS, LUELLA L.	N. Y.	910 6th St. N. E.
*WILLIAMS, MARGERY	Mich.	1855 Calvert St.
WILLIAMS, MATHILDA DOROTHEA	D. C.	1332 F St. N. E.
WILLIAMS, MAUD	Ill.	1318 Harvard St.
WILLIAMS, PRISCILLA	Va.	1836 Ontario Place
WILLIAMS, THOMAS H.	D. C.	1215 Vermont Ave.
WILSON, HAZEN H.	D. C.	4004 Georgia Ave.
WILSON, JAMES L.	Me.	1415 K St.
WILSON, LELIA CHARLOTTE	D. C.	2007 G St.

*WILSON, LILLIAN RUTH	Ark.	P-Q Bldg., Govt. Hotels
WILSON, RUTH M.	Ind.	4 Quincy Place N. E.
WILTON, RALPH WILLIAM	D. C.	1335 22d St.
*WIMBER, VERN	D. C.	1213 K St.
WINDRIDGE, EMMA ISABELLA	Va.	Cherrydale, Va.
*WINGATE, EDWARD GREENE	D. C.	1701 Park Road
†WOEFLIN, MARTHA	Ky.	1022 11th St.
WOMERSLEY, GRACE M.	D. C.	4122 8th St.
†WOOD, JOSEPH R.	D. C.	3143 24th St. N. E.
WOODBURY, MARGARET BARKER	D. C.	3122 Q St.
*WOODWARD, ALMA L.	D. C.	1916 G St.
†WORDEN, STANLEY	Md.	1237 Kenyon St.
†WORMSER, HAZEL M.	Kans.	1342 Vermont Ave.
WRIGHT, ETHEL	Va.	229 Rock Creek Church Rd.
*WRIGHT, MARY BENTON	D. C.	1205 Columbia Road
WUEST, CLARA I	Ohio	101 N. Car. Ave. S. E.
WYMORE, IVY O.	D. C.	1724 Park Road
YOSGOUR, SONIA S.	D. C.	300 E St. N. E.
YOUNG, EMMA I.	Md.	154 East Capitol St.
*YOUNG, LOUISE B.	Va.	2129 18th St.
*YOUNG, MATILDA N.	D. C.	2129 18th St.
YUNG-KWAI, BURNHAM	D. C.	3312 Highland Ave.

COLLEGE FOR ENGINEERING

CANDIDATES FOR DEGREES

ALLARDT, ERNST WILLIAM (M. E., 0)	Ohio	2325 L St.
AMAN, WALTER FRANK (E. E., 85)	Md.	Mt. Rainier, Md.
ANDERSON, JOHN AUGUSTA (C. E., 26)	D. C.	1520 E. Capitol St.
AULTMAN, DWIGHT EDWARD J (Ch. E., 28)	D. C.	705 Northumberland Apt.
AURYNGER, JOHN J. (E. E., 0)	N. Y.	1908 H St.
BABCOCK, EARL (C. E., 0)	Ill.	1331 Vermont Ave.
BAGDER, CECIL HAMMOND (Chem., 122)	Pa.	Hyattsville, Md.
BAILEY, EMMETT CHESTER (M. E., 62) B. S. 1916, Beloit College	Wis.	1849 Ontario Place
BAILEY, WILLIAM HIRAM (Chem., 19)	Texas	2106 First Street
BAUSKETT, HELEN V. (Chem., 28)	D. C.	1201 Girard St.
BENSON, RUSSELL BERNARD (M. E., 16)	D. C.	1406 21st St.
BERLINER, JULIUS FREDERICK THOMAS (Ch. E., 22)	D. C.	1471 Irving St.
BERRYMAN, NALLS (Chem., 6)	D. C.	40 Chestnut St., Takoma Park, D. C.
BERTELSON, CHARLES WESLEY (E. E., 0)	N. D.	House Office Bldg.
BIEBER, OSCAR PETER (M. E., 0)	D. C.	1239 4½ St. S. W.
BIGGS, ZENO ALVIN (E. E., 108)	Ind.	1730 Euclid St.

BIRCH, ALVIN LLOYD (C. E., 17)	D. C.	1635 R St.
*BISER, LEON WINDSOR (Ch. E., 0)	Md.	1916 16th Street
BITTNER, GUSTAVE EMIL (M. E., 0)	D. C.	2014 2d St.
BLACKMAN, CYRENE E. (Chem., 45)	Ind.	209 S St.
BLAKELY, CHAS. FRANCIS (C. E., 109)	Nebr.	Y. M. C. A.
*BLAND, WILLIAM BENJAMIN (C. E., 0)	S. C.	455 First St. S. E.
BLEWITT, JOHN JUSTIN (C. E., 0)	Pa.	1352 Irving St.
BLINSTON, CHESTER A. (M. E., 0)	D. C.	1527 Newton St.
*BLOSK, EDWIN ARTHUR (M. E., 28)	D. C.	744 Quebec St.
*BONDURANT, JOHN CHARLES (E. E., 0)	Fla.	Chatham Courts
BONEBRAKE, GEORGE DANIEL (C. E., 30)	Ohio	5210 Illinois Ave.
BOYD, ALAN ROCKWELL (C. E., 0)	D. C.	1441 Chapin St.
BOYD, JOSEPH REGINALD (E. E., 31)	D. C.	1360 Parkwood Place
BOYDEN, ROGER TALBOT (C. E., 108)	Mass.	206 Southbrook Courts
*BRADBURN, JOHN RAYMOND (M. E., 0)	D. C.	Navy Yard
BRADBURY, CRAIG E. (E. E., 0)	D. C.	1843 Lamont St.
BRADSHAW, MAX ABRAHAM (Ch. E., 4)	Va.	1701 Euclid St.
BRADY, JOHN BERNARD (E. E., 117)	Md.	Chevy Chase, Md.
BRANDES, CLARENCE ALFRED (C. E., 20)	D. C.	2032 16th St.
BRAUNER, RALPH HERMAN (E. E., 53)	D. C.	Brookland, D. C.
BREWER, NATHANIEL (M. E., 0)	D. C.	421 6th St. S. E.
BRUCE, CLARENCE SMOOT (M. E., 18)	D. C.	2601 11th St.
*BURDETTE, ROBERT C. (Chem., 26)	Md.	1611 First St.
BURGGRAF, FRED (Ch. E., 0)	Ohio	3917 Livingston St.
BURK, PAUL WILLIAM (M. E., 15)	D. C.	1322 5th St.
*BURNER, CHARLES ALEXANDER (C. E., 34)	D. C.	5322 41st St.
BURNESTON, JOSEPH LEE (C. E., 39)	D. C.	1460 Newton St.
BUSSARD, MARCEL JULIEN (C. E., 0)	D. C.	2129 G St.

CAMPBELL, RICHARD DODGE (E. E., 79)	D. C.	42 Rhode Island Ave. N. E.
CAREY, JOHN JOSEPH (Arch., 34)	D. C.	2202 First St.
CARTER, ROBERT COX (C. E., 0)	Ind.	3512 10th St.
CHRISTIAN, WELLNER LIVINGSTONE (M. E., 12)	D. C.	15 T St. N. E.
CLARKE, BEVERLY LEONIDAS (Chem., 48)	D. C.	2127 G St.
*CLARKSON, HARRY IRVING (M. E., 13)	D. C.	707 G St. S. E.
*CLAYTON, HAROLD OLIVER (Ch. E., 39)	D. C.	8 Girard St. N. E.
CLINTON, DANIEL JOSEPH (C. E., 0)	Pa.	1629 Newton St.
COBB, ELVIN T. (C. E., 0)	Mo.	115 C St.
*COCKRILL, LAWRENCE P. (C. E., 0)	Ky.	1117 New Hampshire Ave.
COLE, FRANCIS GRUELLE (M. E., 46)	D. C.	1900 8th St.
*CONBOYE, WILLIAM THOMAS (Arch. 74)	Calif.	64 U St.
*COOK, HAROLD P. (E. E., 0)	Iowa	234 N St.
COREY, GEORGE HOLTON (Chem., 54)	Pa.	1511 Lamont St.
COVERT, ROY NORTON (M. E., 39)	Ill.	2821 27th St.
COX, EUGENE SHEFFIELD (M. E., 7)	Wash.	10th St. and Mass. Ave.
CROSS, FRED SYLVESTER (Chem., 56)	W. Va.	1100 Vermont Ave.
CRUICKSHANKS, BENJAMIN CARPENTER (M. E., 132)	D. C.	1336 Fairmont St.
DAIDY, GEORGE AUGUSTINE (Arch., 56)	Mass.	1682 Irving St.
DALE, LLOYD EMERSON (Ch. E., 25)	Neb.	2032 F St.
†DALY, ADOLPH A. (C. E., 19)	D. C.	914 Maryland Ave. N. E.
DARCEY, STANLEY RODERICK (C. E., 4)	D. C.	1248 31st St.
*DASHER, CHARLES LAMER, JR. (M. E., 0)	D. C.	5110 13th St.
DAVIDSON, WILBUR DELOZIER (C. E., 39)	D. C.	1807 Good Hope Road S. E.
*DAVIS, FRED (C. E., 0)	D. C.	3030 Q St.
DAVIS, THOMAS ALLAN (Ch. E., 66)	D. C.	635 Eye St. S. W.
*DAWSON, ALAN BENNETT (C. E., 0)	D. C.	1412 E St. S. E.
DEGENER, EDWARD L. (C. E., 22)	Ill.	733 22d St.

DELANY, JAMES LEROY (M. E., 30)	D. C.	600 Park Road
DELAUDER, JOHN LURMAN (Chem., 10)	D. C.	1359 Mass. Ave.
†DEMPSEY, JAMES BRYAN (M. E., 15)	Kans.	1223 K St.
DERRICK, JOHN MILTON (M. E., 6)	Md.	1014 10th St.
DISNEY, LINDSAY PETTIT (M. E., 35)	D. C.	1212 B St. S. E.
DUMM, EDWIN J. (M. E., 0)	Ohio	153 A St. N. E.
*DURAND, CHARLES SCHAD (Chem., 0)	Tenn.	Y. M. C. A.
DUTTON, HAROLD HARRISON (C. E., 36)	D. C.	1721 Kilbourne Place
*DYER, WORDEN POPE (M. E., 0)	D. C.	329 13th St. S. E.
EDWARDS, LIEUT. RAY OMER (C. E., 59)	Ill.	Walter Reed Hospital
EDWARDS, THOMAS RIVES (Arch., 73)	D. C.	4209 Ill. Ave.
EISINGER, JOHN OVERTON (M. E., 19)	D. C.	3503 Wisconsin Ave.
ELIASON, HOWARD RUSSELL (M. E., 0)	D. C.	1314 Columbia Road
ELLERBROCK, JOHN HARRY (M. E., 2)	D. C.	1317 Rhode Island Ave.
ENGEL, FRANCIS HERMAN (E. E., 0)	D. C.	1108 Columbia Road
ERGOOD, ALLEN MONROE (Ch. E., 16)	D. C.	6223 9th St.
FEDDE, WALTER CARL (Chem., 93)	Colo.	201 Eye St.
FEGAN, LUKE JOSEPH (M. E., 0)	D. C.	3210 13th St.
*FIFE, ALBERT JOSEPH (Ch. E., 99)	Ky.	1761 Park Road
†FILGATE, JOHN THOMAS (C. E., 40)	D. C.	2451 18th St.
FINNIE, ALEXANDER (C. E., 4)	D. C.	4417 Ord St. N. E.
FISHER, HENRY PHILIP (C. E., 0)	D. C.	1847 Ontario Place
*FLANAGAN, SAMUEL CODRINGTON (C. E., 0)	Va.	1708 P St.
FLEMING, EUCLID STORY JR. (M. E., 10)	D. C.	127 6th St. S. E.
*FOSTER, ROYAL E. (Chem., 22)	D. C.	1914 I St.
†FRED, ROGERS M. (Arch., 0)	D. C.	1733 Columbia Road
FREE, WALTER HENRY (M. E., 26)	Iowa	Y. M. C. A.
*FRIDINGER, NORMAN SCOTT (Ch. E., 0)	D. C.	301 13th St. S. E.

FRIEDMAN, SOLOMON (C. E., 33)	D. C.	447 7th St. S. W.
FUQUA, DELMOUR JOHN (Ch. E., 0)	D. C.	1415 Monroe St.
*GALLAHAN, WILBUR ANDREWS (C. E., 0)	D. C.	421 L St. S. E.
*GALLOWAY, ALEXANDER GORDON (M. E., 0)	D. C.	7106 Piney Branch Road
*GARDNER, HANNAH LOUISE (Chem., 51)	D. C.	3367 18th St.
GARMAN, GEORGE GUY (E. E., 5)	Pa.	2031 2d St. N. E.
*GARNER, NELSON (C. E., 0)	Ariz.	1537 I St.
GARTSIDE, FRANK TYLER (C. E., 59)	Md.	1012 12th St.
GATCHELL, WILLARD WADDINGTON (Chem., 10)	D. C.	3209 19th St.
GEBHART, ARTHUR I. (Chem., 66)	Pa.	2127 G St.
*GERSHANICK, CARL (E. E., 4)	D. C.	2211 N St.
*GIEGERICH, ALBERT A. (C. E., 0)	Iowa	1526 O St.
*GILL, GEORGE JAMES (C. E., 0)	D. C.	730 Shepherd St.
GILTRUD, ESTHER AGNES (Arch., 24)	N. D.	1357 Montague St.
GIROUARD, PHILIAS HENRY (E. E., 0)	R. I.	100 B St. N. E.
GLYCOFRIDES, EUSTACE (Chem., 26)	D. C.	926 9th St.
GONZALEZ, WILLIAM ALEXANDER (Chem., 34)	N. Y.	200 E St.
GOODALL, ALFRED BURROWS (E. E., 32)	D. C.	1824 Ingleside Terrace
GOSS, MARSHALL J. (Chem., 0)	Ohio	416 Kenyon St.
GRAHAM, DANIEL PARSONS (Ch. E., 16)	Calif.	12 Rhode Island Ave. N. E.
GRAHAM, GEORGE EMLLEN (M. E., 10)	D. C.	2246 Cathedral Ave.
GREELEY, ARTHUR EDWARD (E. E., 8)	D. C.	2632 Garfield St.
*GREEN, EDGAR MELBOURNE (M. E., 5)	D. C.	82 V St.
GREENWOOD, AUDLEY HERBERT (M. E., 0)	Md.	1225 Euclid St.
GROSSMAN, HERBERT ROBERT (C. E., 38)	Ky.	P. O. Box 1470
GUMPRECT, ARMAND J., JR. (M. E., 6)	D. C.	2818 P St.
HAMMOND, LEIGH MEAD (C. E., 0)	Md.	Boyd and Carroll Ave., Takoma Park, Md.
HANKS, REUEL MUCKLOST (E. E., 0)	W. Va.	1541 8th St.

HARDING, RAYMOND BARTON (E. E., 118)	Va.	625 G St. S. W.
†HARPER, ESMONDE (M. E., 8)	D. C.	803 Allison St.
HARRINGTON, GEORGE ELLIOTT (Chem., 8)	D. C.	4641 Conduit Road
HARRIS, P. RAY (E. E., 0)	Ill.	153 A St. N. E.
HARRIS, WILLIAM (Arch., 0)	D. C.	1505 Lamont St.
HARRISON, ARTHUR P. (Chem., 33)	D. C.	816 18th St.
*HARSCH, RAYMOND (C. E., 93)	Ohio	1 Girard St. N. E.
HARTMAN, ARTHUR MEYER (Ch. E., 22)	D. C.	1414 Girard St.
HATTON, WESLEY LEONARD (E. E., 0)	Ala.	710 Rock Creek Church Rd.
HAWKINS, WALTER (Chem., 0)	Conn.	702 H St.
†HAYNES, JOHN LENNIES (C. E., 0)	D. C.	1347 Q St.
*HAYNES, WILLIAM E. (M. E., 0)	N. Y.	214 7th St. N. E.
HECKERT, GEORGE THEODORE (E. E., 11)	W. Va.	2030 G St.
HEID, EDWIN DEWEY (M. E., 4)	D. C.	1740 Lanier Place
HEIST, LEROY ERNEST (M. E., 17)	D. C.	2415 N. Capitol St.
HELLMUTH, EVERETT ALBERT (Ch. E., 76)	Va.	108 N. Alfred St., Alexandria, Va.
HENKIN, BENJAMIN (Ch. E., 0)	D. C.	700 4th St. S. E.
*HEPBURN, NORMAN C. (M. E., 0)	D. C.	321 5th St. S. E.
HILL, HUGH PALMER, Jr. (C. E., 23)	D. C.	313 A St. S. E.
HILLIG, FRED H. (Chem., 44)	Ill.	Bureau of Steam Engineering, Navy Dept.
HOMAN, LESTER STANLEY (E. E., 0)	Ohio	173 U St. N. E.
HOWISON, RAYNOR (E. E., 4)	D. C.	811 Jefferson St.
HUFNAGEL, HARRY MILLER (E. E., 41)	D. C.	1311 6th St.
HUME, JAMES PICKRELL (Ch. E., 0)	D. C.	2113 S St.
HUMPHREY, OMAR CONGER (C. E., 0)	D. C.	1271 First St. S. E.
HUNT, MARY ELEANOR (Arch., 0)	D. C.	106 9th St. S. E.
JAVELLANA, JOSE B. (E. E., 17)	P. I.	1414 11th St.
†JETT, JAMES MALCOLM (C. E., 0)	D. C.	5324 Illinois Ave.

*JOHNSON, HAROLD CURRY (Ch. E., 20)	Fla.	1449 Rhode Island Ave.
JOHNSTON, RUBY PAULINE (M. E., 0)	D. C.	314 2d St. N. E.
*JONES, LESLIE O. (E. E., 27)	Ohio	Ballston, Va.
*KAIN, DONALD EDWARD (C. E., 0)	D. C.	129 E St.
KAMPE, ALBERT HENRY (C. E., 31)	Mich.	1002 M St.
KAR, PERCY A. (E. E., 0)	Utah	2622 11th St.
KARGER, ALFRED GUS (Chem., 35)	Ohio	2616 Cathedral Ave.
KEATING, MICHAEL JOSEPH (M. E., 14)	N. J.	1011 Otis Place
*KENNEDY, ERROLL ANGLIN (Chem., 0)	Md.	Hyattsville, Md.
*KLINE, SAMUEL ROBERT (Ch. E., 6)	Ore.	1816 18th St.
*KLOPFER, LEWIS WHITE (E. E., 36)	D. C.	6404 Georgia Ave.
KNAPP, ERNEST MALCOLM (Ch. E., 0)	D. C.	714 Rock Creek Church Rd.
*KORSCHEN, GEORGE JOHN (M. E., 0)	N. Y.	937 23d St.
KRAFFT, CARL F. (Ch. E., 118)	Wis.	1211 13th St.
KREHBIEL, ELMER HAROLD (Chem., 28)	D. C.	1016 9th St. N. E.
LADD, JOHN G. (M. E., 33)	N. Mex.	6109 Brookville Road, Chevy Chase, Md.
LANIGAN, ARTHUR LOYOLA (E. E., 43)	D. C.	122 Bryant St.
LAPISH, JOE HARRY (Arch., 46)	D. C.	57 Quincy Place N. E.
LE DUC, PERCY WALBOURNE (Chem., 87)	D. C.	817 Varnum St.
LELAND, LEONARD JESSE (C. E., 8)	D. C.	516 A St. N. E.
LEROY, JAMES ALFRED (Ch. E., 0)	D. C.	1230 Girard St. N. E.
*LEVITCH, ALEXANDER (Chem., 10)	N. Y.	2212 M St.
†LEWIS, ROBERT S. (C. E., 77)	D. C.	3316 Mt. Pleasant St.
†LIMPER, ERNEST A. (C. E., 0)	Ind.	Liberty Hut, Y. M. C. A.
LINDEN, BERNARD A. (Chem., 35)	N. Y.	2148 F St.
LINDSEY, IRVING (Chem., 24)	Va.	1009 Gibbon St., Alexandria, Va.
LIPPITT, EDWARD GARDNER (Arch. 30)	D. C.	3025 Newark St.
LITCHFIELD, CHARLES WILLIAM (M. E., 0)	D. C.	308 L St. S. E.

LLOMPART, JOSE A. (Ch. E., 45)	D. C.	4512 Georgia Ave.
LLOYD, DANIEL BOONE, JR. (C. E., 64)	Md.	Glendale, Md.
*LOEB, ABRAHAM (Ch. E., 0)	D. C.	22 3d St. S. E.
LOEFFLER, HYMAN (C. E., 0)	Va.	1120 King. St., Alexandria, Va.
LOEHLER, PAUL F. (E. E., 4)	D. C.	1412 Montague St.
LOOMIS, HELEN MAY (Arch., 0)	N. Y.	117 12th St. S. E.
LOOTZ, ALF CHRISTIAN, JR. (C. E., 22)	D. C.	1460 Newton St.
*LUNDBERG, ROBERT FERDINAND (Chem., 96)	D. C.	1101 Euclid St.
MALISTER, RUSSELL NAYLOR (C. E., 3)	D. C.	Kensington Apts.
*MCCOLLUM, JOE N. (C. E., 0)	D. C.	1327 10th St.
MCCOY, JOHN SCOTT (Chem., 50)	D. C.	312 McLean Ave. S. W.
MCEMTEE, ALBERT ARTHUR (C. E., 132)	Ill.	2124 P St.
MCNAMAMY, CARL DEWEY (M. E., 30)	D. C.	1333 15th St.
MACNAB, JOHN CARTER (M. E., 39)	Mass.	1427 Buchanan St.
MACKEY, STUART JONES (E. E., 92)	D. C.	1814 Park Road
MAHONEY, JOHN (Chem., 68)	Neb.	931 M St.
MALAMPY, MARK CYRIL (E. E., 0)	Md.	624 H St.
MANBECK, DWIGHT L. (M. E., 0)	Iowa	Y. M. C. A.
MARKLEY, KLARE S. (Chem., 33)	Md.	Rockville, Md.
MARKE, FRANK HENRY (Ch. E., 55)	D. C.	1002 Fairmont St.
*MARKE, JOSEPH M. (C. E., 15)	D. C.	1425 E. Capitol St.
MARTIN, FRANK WHITCHER (M. E., 124)	D. C.	2106 First St.
*MATTFELDT, GUSTAV EARL (C. E., 0)	D. C.	2108 Flagler Place
*MATTINGLY, HAROLD WEBSTER (E. E., 4)	D. C.	1234 Good Hope Road S. E.
MEAKIN, ALLAN G., JR. (Ch. E., 14)	Ohio	617 22d St.
*MECUTCHEN, LAURA BARTLETT (Arch., 48)	Md.	Brentwood, Md.
MEEKS, FEARSON SAMUEL (C. E., 4)	D. C.	1419 Clifton St.
MEHRING, AMON LEWIS (Chem., 40)	Md.	Hyattsville, Md.

MEIMAN, WILLIAM GEORGE (C. E., 0)	D. C.	416 Warner St.
*MELTON, EDWARD ROANE, JR. (E. E., 0)	D. C.	1008 Md. Ave. N. E.
MICHAEL, SPENCER B. (E. E., 78)	D. C.	18 New York Ave. N. E.
*MILLER, FOREST JOHN (M. E., 6)	D. C.	1354 Shepherd St.
*MILLER, GEORGE DANIEL (E. E., 0)	Pa.	1311 Fairmont St.
MILLER, ODVER HARRISON (C. E., 119)	Okla.	1739 P St.
MILLER, RALPH F. (Ch. E., 57)	Pa.	338 Md. Ave. N. E.
MOELLER, OTTO (Chem., 0)	Va.	203 County Road, Cherrydale, Va.
MONTGOMERY, WILBUR BURSON (C. E., 30)	D. C.	126 Mass. Ave.
MOORE, GOGGIN EMERSON (Arch., 0)	Va.	1214 I St.
MOORE, JOHN HENDERSON (Chem. E., 40)	D. C.	1011 H St.
MOORE, L. L. ARDREY (Arch., 26)	N. C.	455 First St. S. E.
MORAWSKI, ARTHUR L. (Chem., 61)	Mass.	442 Mass. Ave.
MOULTON, GEORGE FRANKLIN (Chem. E., 62)	Ill.	1483 Newton St.
MUSE, FRANK A. (Arch., 4)	Va.	1833 M St.
MUSHAKE, WILLIAM IRA (M. E., 0)	D. C.	1919 Nichols Ave. S. E.
*MUZIKAR, GEORGE A. (Ch. E., 0)	Minn.	2131 F St.
MYERS, MYRON LEWIS (Chem., 0)	Md.	1420 Ames Place N. E.
NAGLE, RALPH S. (Chem., 20)	D. C.	1338 Shepherd St.
*NEILL, WILLIAM LYNVILLE, JR. (Chem. E., 6)	Texas	1930 Biltmore St.
*NELSON, ALMON SYLVESTER (C. E., 4)	D. C.	1019 10th St.
NEWCOMER, HARRY E. (Ch. E., 41)	D. C.	239 Q St.
*NIKIRK, PAUL ALVIN (M. E., 0)	D. C.	411 12th St. S. E.
NILSSON, KNUT IVAN (M. E., 4)	D. C.	102 Varnum St.
†O'DEA, MARIE ELIZABETH (Chem., 52)	Va.	825 13th St. N. E.
*OLCOTT, FLOYD BRONSON (M. E., 0)	Md.	2566 University Place
OPENSHAW, D. LYNN (C. E., 0)	Utah.	2028 G St.
ORLANDO, VINCENT JAMES (E. E., 52)	D. C.	234 1st St. S. E.

OWENS, BYRON (Chem., 23)	Pa.	401 McLachlen Bldg.
OWENS, JOHN ADAMS (M. E., 26)	Pa.	1415 New Jersey Ave.
*PALMER, JAMES C. (C. E., 0)	D. C.	2002 G St.
PARDOE, EDWARD SCHLEY (C. E., 30)	D. C.	1319 Park Road
PARKER, THORNTON JENKINS, JR. (M. E., 35)	D. C.	723 19th St.
PARSONS, DAVID ARMSTRONG (E. E., 0)	Md.	North Chevy Chase, Md.
*PATRICK, PERCY LEROY (E. E., 23)	D. C.	905 Webster St.
PETERSON, EMMET JAMES (C. E., 56)	Calif.	1246 House Office Bldg.
*PHILLIPS, I. JESSE, Jr. (E. E., 0)	Ga.	410 6th St.
PIM, JAMES HARVEY (E. E., 0)	Colo.	3301 13th St.
PLUGGE, NORMAN A. (Chem., 0)	D. C.	1310 13th St.
POLK, IRL (C. E., 4)	Miss.	201 Eye St.
POWELL, ALFRED GOTTWALS (C. E., 15)	D. C.	628 6th St. N. E.
†POWELL, ARCHIE EISEN (M. E., 121) E. E. 1914, University of Wisconsin	Minn.	Bureau of Standards
*PRICE, BENJAMIN FRANKLIN (C. E., 0)	D. C.	2715 14th St.
PRINCE, ACEL EDWARD (E. E., 13)	Idaho	Box 20, House Office Bldg.
PROUDLEY, CHARLES EARL (Ch. E., 47)	D. C.	21 R St.
PYLES, RUSSELL (M. E., 0)	D. C.	615 Upshur St.
QUINN, EDWARD F. (M. E., 37)	N. Y.	1913 Pennsylvania Ave.
REEVES, ROBERT CHARLES (C. E., 0)	Kans.	1741 F St.
REH, EMMA (Chem., 130) A. B., 1917, George Wash- ington University	D. C.	1210 Delafield Place
*RICHARDSON, ELBERT LINDSEY (M. E., 0)	D. C.	910 O St.
RICKER, MARTIN MILLER (C. E., 5)	D. C.	3311 Q St.
RIDGELY, ARTHUR OERTLY (M. E., 0)	D. C.	203 Rhode Island Ave. N. E.
*RIDGEWAY, JOHN ALFRED, JR. (E. E., 4)	D. C.	218 Maple St., Takoma Park, D. C.
RILEY, ALBERT AUSTIN (Chem., 87)	Ohio	3116 19th St.

RINGLE, DAVID, JR. (E. E., 27)	Ore.	2032 Eye St.
RISSLER, RAYMOND LESTER (Chem., 0)	D. C.	1366 Spring Road
*ROCHE, JAMES JOSEPH (M. E., 0)	D. C.	722 F St. S. W.
†ROGERS, JOSEPH HARRIS (E. E., 0)	Md.	Hyattsville, Md.
ROLPH, J. NORTON (C. E., 0)	Ill.	Kenesaw Apt., 16th and Irving Sts.
ROMHILT, HELEN JUNE (Chem., 72)	Ind.	2011 Franklin St. N. E.
ROMMEL, GEORGE F. (M. E., 24)	D. C.	21 Myrtle St. N. E.
ROSE, LEONARD JULIAN (M. E., 76)	D. C.	730 Shepherd St.
ROSENBERG, SAMUEL (M. E., 29)	D. C.	721 4½ St. S. W.
ROSS, FRANCES PRITCHARD (Ch. E., 0)	D. C.	2911 Mills Ave. N. E.
ROTZLER, WILLIAM M. (M. E., 0)	Utah	243 Florida Ave.
†ROWE, CHARLES ROY (E. E., 0)	D. C.	646 Lexington Place N. E.
*RUDY, JOHN TAYLOR, JR. (M. E., 0)	Minn.	1519 Caroline St.
RYAN, ALFRED EDWIN (Ch. E., 16)	D. C.	1368 Spring Road
ST. CLAIR, GUILFORD PAYSON (C. E., 59) A. B. 1918, Dartmouth College	Me.	603½ 4th St.
ST-OMER-ROY, JAMES AUGUSTUS (M. E., 0)	N. J.	3411 R St.
*SAEGART, ERNEST REDFIELD (Chem., 30)	Conn.	441 12th St. N. E.
SALTZMAN, GEORGE CLIFFORD (C. E., 4)	D. C.	1303 Newton St., Brookland
*SALZMAN, WILLIAM AUGUST (M. E., 0)	N. Y.	239 8th St. S. E.
SANBORN, NORRIS HENRY (Ch. E., 42)	Hawaii	115 Maryland Ave. N. E.
*SANDERS, JAMES HENDERSON (M. E., 4)	D. C.	57 Randolph Place
*SANFORD, EMMONS MONTGOMERY (E. E., 0)	Va.	1521 Rosedale St. N. E.
*SARGENT, RAY FRED (E. E., 67)	Vt.	1838 Calvert St.
SCHEMET, HERBERT K. (Ch. E., 0) LL.B., M.P.L., Georgetown University	Ind.	1134 Florida Ave. N. E.
SCHMITT, EDWIN ALEXIS (C. E., 99)	D. C.	305 Southern Building
SCHMITT, HENRY MARTIN (M. E., 29)	N. Y.	1429 U St.

SCOTT, HUNTER DUNLAP (Arch., 27)	D. C.	1641 R St.
SCOTT, WALTER CLIFFORD, Jr. (M. E., 69)	D. C.	649 B St. N. E.
SELVEY, WILLIAM H. (Ch. E., 0)	W. Va.	2106 G St.
SHOEMAKER, FRED EUGENE (E. E., 94)	D. C.	5310 Belt Road
SHREVE, RICHARD SOUTHERNE, Jr. (M. E., 20)	Va.	Navy Dept., Bu. C. & R.
*SHULTERS, EARL STANLEY (E. E., 27)	D. C.	641 A St. S. E.
*SILL, NORMAN EARLE (M. E., 0)	D. C.	132 Adam St.
SILLERS, FREDERICK, JR. (Ch. E., 0)	D. C.	1349 Otis Place
SLOAN, MARGUERITE PEYTON (Chem., 0)	Md.	310 Indiana Ave.
SLOAN, NATHANIEL CRAWFORD (M. E., 0)	D. C.	2314 17th St.
SMITH, CLARENCE ADRIAN, JR. (Arch., 14)	Md.	36 Todd Place N. E.
*SMITH, EDGAR DONALD (C. E., 41)	D. C.	1246 Irving St.
SMITH, MELBOURNE J. (M. E., 0)	Va.	2030 G St.
†SMITH, THOMAS WALSH (M. E. 120) B.S. in E. E. 1909, Iowa State University	D. C.	917 6th St. N. E.
SMITH, WILEY C. (Ch. 53) A.B., 1916, Mississippi College	Miss.	151 11th St. S. E.
SNOW, HAROLD ARTHUR (E. E., 68)	D. C.	656 Newton St.
SOARS, FRANCES LEOTA (Arch., 10)	Pa.	1927 Park Road
SONNTAG, HARCOURT (M. E., 0)	Va.	McLean, Va.
SPASOFF, JOHN (E. E., 130)	Calif.	Patent Office
SPEAR, ALBERT A. (Chem., 73)	D. C.	4 Sixth St. N. E.
SPECK, VERA P. (Arch., 0)	D. C.	1343 Clifton St.
SPERRY, ALBERT (Ch. E., 22)	Fla.	617 Maryland Ave. N. E.
SPIELMAN, WILLIAM PAUL (Ch. E., 0)	Va.	609 Prince St., Alexandria, Va.
*SPRINGMAN, DAVID L. (M. E., 0)	D. C.	3816 7th St.
SPURR, FRANK ARTHUR (Chem., 97)	Iowa	1404 21st St.
STARR, ARTHUR PRICE (Arch. 51)	N. Y.	120 Randolph Place

STEWART, THOMAS FRANKLIN (C. E., 60)	D. C.	703 9th St. N. E.
*STICKEL, JOHN FREDERICK (Ch. E., 20)	D. C.	67 Randolph Place
STOCKARD, JOHN MAHON (M. E., 0)	D. C.	1429 U St.
STOUT, MORRIS VANZANDT (C. E., 0)	D. C.	1444 W St.
STRANG, HARRY LEDDEN, JR. (E. E., 101)	D. C.	2020 1st St.
*STRAUCH, DEWEY ANTHONY (M. E., 0)	Texas	1432 V St.
*STRAWN, FLOYD L. (M. E., 23)	D. C.	1408 Girard St.
†STROTHER, DAVID HUNTER (M. E., 0)	W. Va.	3153 Mt. Pleasant St.
*SULLIVAN, GEORGE WILLIAM (M. E., 7)	R. I.	600 Park Road
*SWEENEY, JAMES JOSEPH (C. E., 40)	D. C.	47 K St. N. E.
TAYLOR, JOHN CORBIN, JR. (C. E., 0)	D. C.	531 Quincy St.
TEMIN, MORRIS (M. E., 24)	D. C.	515 4½ St. S. W.
THOMASSON, WILLIAM THOMAS (C. E., 0)	D. C.	640 E St. N. E.
THORNE, MAURICE ANSON (M. E., 0)	Md.	Beechwood, Tunlaw Road
TIBBITTS, GORDON CHASE (Ch. E., 70)	D. C.	321 Essex Ave., Chevy Chase, D. C.
*TILTON, DANIEL HENRY (Chem., 0)	D. C.	1823 Kalorama Road
TODD, LESTER J. (Ch. E., 0)	Ohio	2133 F St.
TONKIN, WILLIAM HENRY (Chem., 66)	D. C.	2121 15th St.
TRUMBLE, MILTON MASON (M. E., 0)	D. C.	407 S. C. Ave. S. E.
TUCKER, OSCAR SAMUEL (E. E., 42)	Pa.	Y. M. C. A.
TUROFF, LOUIS WEBSTER (C. E., 92)	D. C.	1804 2d St.
TUROFF, RALPH S. (M. E., 27)	D. C.	1804 2d St.
*TYLER, CARL WALTER (C. E., 0)	D. C.	1428 A St. N. E.
ULLRICH, WARREN (Arch., 0)	Mass.	1010 11th St.
VARNEY, FORREST FRANKLIN (C. E., 79)	Wis.	Cherrydale, Va.
*VITALE, ANTHONY FRANCIS (E. E., 0)	D. C.	1769 Willard St.
*VOGEL, CLARA LOUISE (E. E., 0)	Ky.	529 Tenn. Ave. N. E.
WAILES, RAYMOND BARTLETT (Ch. E., 15)	D. C.	3118 14th St.

WALLACE, RICARDO F. (C. E., 4)	Md.	302 District Bldg.
WANGE, HANS (M. E., 0)	D. C.	521 4th St.
WARD, HERMAN SMITH (C. E., 118)	D. C.	1317 11th St.
WARD, WILLIAM ROBINSON, JR. (M. E., 26)	D. C.	1346 Monroe St.
WARREN, ROBERT HARVEY (M. E., 0)	D. C.	3549 11th St.
WEARTH, LAURA M. (Arch., 0)	Iowa	1011 New Hampshire Ave.
WEBB, WILLIAM T. (C. E., 34)	D. C.	2700 36th St.
WEESE, DONALD OURAY (Arch., 22)	Ind.	1722 Euclid St.
WEINSTEIN, MEYER (Chem., 98)	D. C.	3338 M St.
WENDT, ROBERT H. (E. E., 21)	Iowa	Home Apts., 7th and K Sts.
WETHERILL, FREDERICK VEAZEY (M. E., 119)	Ore.	1832 Biltmore St.
WHYTE, CLIFTON ANDREWS (C. E., 0)	D. C.	1125 Allison St.
WHYTE, RUSSELL IRVING (Ch. E., 40)	D. C.	2503 14th St.
WILDER, WILLIAM FRANKLIN (C. E., 98)	N. J.	1523 22d St.
WILKS, VAN B. (E. E., 0)	Mo.	1907 H St.
WILSON, A. HERRMANN (E. E., 31)	D. C.	911 Maryland Ave. N. E.
WINDRIDGE, FREDERICK NUSON (M. E., 17)	Va.	Cherrydale, Va.
†WOLF, HARRY (M. E., 0)	D. C.	8 5 6th St.
†WOODWARD, CLARENCE MAXWELL (Arch., 0)	D. C.	1234 Harvard St.
WOOLF, DONALD O. (C. E., 26)	D. C.	62 S St.
WORRALL, ROBERT HENRY (E. E., 0)	D. C.	722 N. Car. Ave. S. E.
*WRIGHT, LEIGH WASHBURN (C. E., 0)	Mass.	1330 R St.
YINGLING, CLINTON KEMP, JR. (C. E., 15)	D. C.	1105 17th St.
†YOUNG, ELIZABETH B. (Arch., 0)	D. C.	3422 13th St.
†ZIMMERMAN, ARTHUR G. (C. E., 0)	Ind.	211 Fourth St. S. E.

SPECIAL STUDENTS

†ADAMS, EDWARD GODMAN	Md.	3 Leland St., Chevy Chase, Md.
ANDERSON, HARRIET	D. C.	1343 Clifton St., Apt. 46
†ANDERSON, WILLIAM JONES, JR.	D. C.	1320 Harvard St.

*BAUR, JOSEPH ULRICH	Mich.	1029 22d St.
†BELIN, LOUIS IRVING	D. C.	923 M St.
BENNETT, HARRY	Pa.	4109 8th St.
BOBBITT, WILLIAM GILMORE	Ky.	25 Quincy Place.
BONTZ, LESLIE NORWOOD	D. C.	1005 9th St.
*†BOONE, ROBERT E.	D. C.	1373 Irving St.
*BOYLE, MARGARET VIRGINIA	Mass.	1259 New Hampshire Ave.
BRADLEY, HORACE YALE	Ga.	Y. M. C. A.
BRIGGS, GUY HAMIL	Md.	Gaithersburg, Md.
BRIGHAM, CECIL E.	Mass.	1805 G St.
BRIGHAM, CYRIL ARTHUR	Mass.	1805 G St.
†BROWNE, THOMAS S.	D. C.	181 Uhland Terrace N. E.
BUTLER, CLARENCE WELLS	Mo.	154 Adams St.
*CARLSON, WENDELL L.	N. Y.	805 B St. S. E.
*CARROLL, MRS. ANNA A.	Pa.	1216 Eye St.
CHAGNON, LEON E. ASHLEY	Mass.	755 Quebec Place
†CONNER, JESSE PAUL	Ind.	112 E. Capitol St.
†CONYERS, CHRISTOPHER T.	Ga.	1100 Vermont Ave.
*COOK, ALHAMBRA	Ind.	307, The Plaza
†CORNELL, EDWARD MAYBURY	Ill.	2727 30th St. N. E.
*CORRIGAN, CHARLES THOMAS	Md.	3728 Oliver St.
CORSON, HOMER JEAN	D. C.	1316 12th St.
COUPER, WILLIAM	D. C.	3605 Brothers Place.
CRESWELL, GEORGE WILLIAM	Md.	1100 Vermont Ave.
*CULBERTSON, RUTH	N. C.	T-U Bldg., Govt. Hotels
CUTHBERTSON, HARRY B.	D. C.	2204 Evarts St. N. E.
†CUTLER, WILLIAM VICKERY	Ind.	2806 13th St. N. E.
†DARCY, GEORGE DEWEY	Md.	2023 Park Road
DENT, JAMES A.	D. C.	3009 P St.
DEUEL, HARRY JAMES	Minn.	2035 Park Road
*DIXON, HENRY MARSHALL, JR.	D. C.	2013 Eye St.
DOWNHAM, GEORGE FRANCIS	Va.	304 So. St. Asaph St., Alexandria, Va.
DUFFY, JOHN PAUL	D. C.	2511 17th St.
†EITZEL, WALTER BYRON	Pa.	1736 G St.
†ELLIOTT, FLORIAN A.	Va.	1003 Woodward Bldg.
ELLIS, JOHN FRANK	D. C.	1333 Vermont Ave.
ERBE, ERNST A. (Lieut. U. S. A.)		3218 13th St.
*FITTON, ROBERT DOUGLAS	D. C.	1315 Half St. S. W.
FLAHERTY, LEO MICHAEL	D. C.	7 Sixth St. N. E.
†FORD, CHRISTOPHER WM.	N. Y.	702 19th St.
†FOX, JAMES C.	Me.	Metropolitan Club
LL.B. 1892, LL.M. 1894, Georgetown		
GALLAGHER, THOMAS A.	N. Y.	2004 15th St.
†GEBHARD, LOUIS AUGUST	N. Y.	1820 Calvert St.
†GILMARTIN, AUSTIN FOLGER	N. J.	Wardman Courts, South
GILMORE, BERNHARD HAROLD	W. Va.	415 G St.
A.B., 1919, University of West Virginia		
GRAHAM, HARRY	Tenn.	453 Lamont St.
GRANT, CHARLES C.	D. C.	1119 O St.
B.S. 1911, Allegheny College		
*GRAY, ROY CLIFTON	Tenn.	808 G St. S. E.
GREEN, JULIA E.	Mo.	4728 13th St.
†GROSER, ANNA I.	Pa.	1814 G St., Apt. 1
GUILFORD, HORACE ELMER	Va.	McLean, Va.

HAIRE, HOMER H.	Mich.	715 Shepherd St.
HANN, RAYMOND M.	D. C.	1018 Mass. Ave. N. E.
†HARTER, SGT. FRED R.	Mich.	2606 Mozart Place N. W.
*HATFIELD, HAROLD DE WOLFE	Canada	1361 Irving St.
B. S., 1910, Connecticut State College; B. S. in M. E., 1915, George Washington University		
*HAWKINS, JOSEPHINE	Wyo.	1209 12th St.
HENNESSEY, JOHN PATRICK	Conn.	1165 19th St.
HOBSON, MELVIN CLAY	D. C.	19 W St. N. W.
HOFFMAN, JAMES I.	Pa.	415 Shepherd St. N. W.
A.B. 1918 Franklin and Marshall College		
HOOPER, ALBERT G.	Me.	1410 M St.
HOUGHTON, JOSEPH DAVENPORT	Mass.	917 18th St., Apt. 4
HOOVER, WALLACE BEATTIE	D. C.	1514 17th St.
HOWARD, FORREST KESHENA	Va.	Falls Church, Va.
†HOWARTH, LOUISE	Miss.	1814 G St., Apt. 1
B.S. 1916 Bellhaven College		
*HURLEY, HERBERT E.	D. C.	615 Upshur St.
*JONES, THOMAS HENRY	N. Y.	1404 Belmont St.
*KEYSER, CLARENCE NAAMAN	Pa.	109 Chestnut St., Takoma Park
B.S., 1914, Pennsylvania State College; M. S., 1917, Univ. of Georgia		
*KIENER, TYLER BAINBRIDGE	D. C.	919 P St.
*KILMARTIN, JEROME O.	Va.	1834 Ingleside Terrace
KING, ANGUS STANLEY	Va.	2024 King St., Alexandria, Va.
KIRKPATRICK, ARNOLD	Fla.	29 Eye St. N. E.
B.S., 1915, Hamline University		
*†KNAUB, RICHARD Z.	D. C.	225 12th St. N. E.
†KNIGHT, KARL	D. C.	223 Seaton Place N. E.
*KSANDA, CHARLES J.	D. C.	1717 De Sales St.
LANKFORD, JESSE W.	D. C.	2450 Rhode Island Ave. N. E.
LAWRENCE, WALTER BARTOW	Texas	707 Mt. Vernon Place
LEEF, WILLIAM HUNTER	Va.	1300 Pennsylvania Ave.
LEHMAN, PERCY BIRKETT	Md.	Rockville, Md.
LINDSEY, PAUL	Va.	1009 Gibbon St., Alexandria, Va.
MACDONNELL, LOUISE	Mass.	2938 Upton St.
MACEWEN, HAROLD EDWARD	N. Y.	Y. M. C. A.
*MC CARTHY, ELWOOD MILTON	Va.	2002 G St.
MC CARTHY, WALTER T.	Va.	Cherrydale, Va.
*MCCOOK, HAROLD	N. Y.	4915 13th St.
MCCORMICK, JOHN D.	D. C.	1377 North Carolina Ave.
B. S in C. E., 1914; C. E., 1915, George Washington Univ.		
*MANN, PERCY W.	Conn.	602 Quincy St.
*†MEARES, HENRY HOLMES	D. C.	3532 Park Place
MEHLFELT, JAMES R.	Pa.	21 Sixth St. N. E.
*MEMBERT, CHARLES		
KNICKERBOCKER		
*†MEYERSON, MILTON DEAN	D. C.	405 A St. S. E.
MILBEE, GROVER C.	N. H.	2949 Tilden St.
Ph.C., 1915, Valparaiso Univ.		
	W. Va.	Laboratory, Walter Reed Hospital

*MINASIAN, GEORGE TALMAGE	N. Y.	1802 R St.
M.E., 1918, Cornell		
MITCHELL, HOWARD J.	Pa.	House of Representatives
*†MONROE, THOMAS MELTON	D. C.	2018 1st St.
MUDD, KOSTKA	D. C.	Walter Reed Hospital
MURRAY, EDMUND CHURCHILL	Md.	1825 Adams Mill Road
*NADELMAN, ELIAS	Conn.	1414 12th St.
*NARAMORE, GEORGE LEONARD	D. C.	4518 9th St.
OHLRICH, AXEL VALDEMAR	D. C.	511 Seward Square S. E.
*OHSOL, JOHANN G.	D. C.	2236 Decatur Place
Ph.D., Harvard University		
PAGTER, AMOS TOWNSEND	Conn.	3120 Mt. Pleasant St.
Ph.B., 1911, Yale		
*†PATRICK, ERMIN CHAMBERS	D. C.	600 23d St.
*PATRICK, WILLIAM EARLE, JR.	R. I.	1823 G St.
*PATTON, JOHN WILLIAM	N. C.	3412 P St.
A.B., 1918, University of North Carolina		
*PEARSON, EDGAR W.	Me.	Apt. 405, The Marne
*PETERMAN, JAMES CUYLER	La.	1119 Euclid St.
PHALEN, WILLIAM CLIFTON	D. C.	1717 Lanier Place
B.S., 1899, M.S., 1902 Massachusetts Inst. of Technology		
Ph.D., 1909, George Washington University		
*PHILIPS, WALTER HIRAM	Ohio	1842 Calvert St.
PIERPONT, HARRY Y.	D. C.	1338 Kenyon St.
POYNTON, EDWARD ARTHUR	D. C.	4019 5th St.
†PURYEAR, ALFRED I.	Tenn.	Office Director of Air Service
*RAMSAY, HAROLD THEODORE	Mass.	1954 Biltmore St.
*RILEY, HARRY CONRAD	D. C.	2624 Garfield St.
RODIER, PHIL L.	D. C.	1831 F St.
ROLLWAGE, EDGAR A.	Ohio	Y. M. C. A.
RUSSLER, ELMORE D.	D. C.	12 Fourth St. S. E.
*ST. SAUVEUR, LEWIS A.	Mass.	608 M St.
*SCHNABEL, WM. J.	D. C.	207 F St. N. E.
*SEELEY, HAROLD J.	N. Y.	Apt 1, 2031 F St.
SEMMES, HARRY HODGES	Md.	Room 608 Ouray Bldg.
B.S., 1913, Dartmouth		
LL.B., 1916, George Washington University		
*SETH, ALEXANDER LAZEAR	Md.	1116 10th St.
A.B., 1898, Johns Hopkins		
LL.B., 1900, University of Maryland		
SIEBEL, WILLIAM LAWRENCE	D. C.	Copley Courts
*SILBER, WALTER CHARLES	Pa.	239 9th St. N. E.
*SIMPSON, PAUL J.	D. C.	3931 14th St.
†SLATTERY, THOMAS F.	Conn.	153 Rhode Island Ave.
†SMITH, GEORGE A.	Wash.	2700 13th St.
SMITH, RAYMOND C.	D. C.	1006 B St. S. W.
*SMITH, SAMUEL L.	Va.	Glencarlyn, Va.
*SPRING, ARLINGTON C.	N. Y.	1241 E St. N. E.
SPRINGER, GEORGE PERRY	Mich.	2312 Woodridge St. N. E.
B.S. in C. E., 1911, Michigan Agricultural College		
†STEVENS, ALLEN REYNOLDS	D. C.	35 Carroll Ave.

†SUTTON, DICK	Okla.	1329 Delafield Place
SWEITZER, FRED W.	Va.	822 Connecticut Ave.
*TICER, WILMER L.	D. C.	1025 Florida Ave. N. E.
*TINKER, ROYAL MUGRAVE	D. C.	1440 Rhode Island Ave.
†TONKIN, MAURICE BRADLEY	D. C.	2121 15th St.
*TURNER, EDWARD	Wash.	314 Rutland Courts
*†UPTON, WILLIAM BAYLY, JR.	D. C.	1842 Calvert St.
VALENTINE, CLYTUS E.	Ohio	1615 S St.
VAN BRUNT, FRED B.	Mich.	1316 Monroe St.
*VIETH, KENNETH	D. C.	2555 Rhode Island Ave. N. E.
†WADSWORTH, ROBERT LANGFORD	D. C.	70 V St.
WAGONSELLER, EARL A.	Ill.	526 Irving St.
WALTERS, MARION IRVEN	D. C.	3226 Warder St.
†WATSON, JOHN ALFRED	Md.	4011 14th St.
*WEBSTER, WM. STUART	D. C.	1448 Park Road
*†WEISGERBER, CHARLES FREDERICK	Pa.	1505 22d St.
WHALAND, NORMAN D.	Mass.	3746 McKinley St.
WHITE, ERNEST CROEL A.B., 1910, Randolph-Macon	Va.	1829 19th St.
*WILKINS, THOMAS MARTINEZ	Wyo.	1428 R St.
*WILKINSON, HARRY PAYSON	Md.	2 Magnolia Parkway, Chevy Chase. Md,
†WILSON, JOHN NANTS, JR.	Md.	Landover, Md.
†YUROW, DAVID	D. C.	637 Princeton St.
ZEPP, EDWARD FRANKLIN	D. C.	3920 Illinois Ave.
ZIMMERMAN, CHARLES BURRITT	Pa.	1028 17th St.

TEACHERS COLLEGE

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS
AND BACHELOR'S DIPLOMA IN EDUCATION

AARONSON, NAOMI (54) (D. C.)	1106 Fairmont St. N. W.
*ADAMS, MARJORIE (0) Tenn.)	1209 K St. N. W.
ADKINS, MRS. JESSE (48) (Wis.)	Quincy St., Chevy Chase, Md.
†ALLEN, FLORENCE (0) (Mass.)	506 Seward Square S. E.
AMBROSE, AMY (0) (Iowa)	Government Hotels.
*ANDERSON, THEODORA CUYLER (0) (Va.)	230 C St. N. W.
ANDREWS, ELIZABETH MARIE (48) (D. C.)	1837 14th St. N. W.
†APRIL, SYBIL REBECCA (0) (N. J.)	963 14th St. S. E.
ATWELL, BESSIE (44), (Ill.)	318 9th St. N. E.
BAILEY, LILLIE PORTER (116), (D. C.)	1513 8th St. N. W.
BARKER, ALMA (84), (D. C.)	302 S St. N. E.
BARTSCH, MRS. SIGNE GJERDRUM (102), (D. C.)	1456 Belmont St. N. W.
†BASHFORD, MARGARET JOSEPHA (104), (Va.)	R. F. D. 2, Alexandria, Va.
BASSETT, CATHERINE CLARKE (58), (D. C.)	604 7th St. N. E.
*BEACH, RUTH CATHERINE (0), (Ohio)	Fort Recovery, O.
BECK, MARGARET MAE (30), (Wis.)	801 B St. S. E.
BELL, MARGARET BYRD (71), (Tex.)	1322 Rhode Island Ave. N. W.
BELL, MRS. ETTA R. (69), (Mo.)	2129 Channing St. N. E.
BELL, RUTH (66), (D. C.)	642 C St. N. E.
BERGER, EDWIN ANSON (90), (Pa.)	1135 17th St. N. W.
†BERRY, MARY PARRAN (0), (Mich.)	609 6th St. N. W.

- †BETHEL, IYA (0), (Wis.).....907 13th St. N. W.
 BETHEL, NORA LUCINDA (0), (Ill.).....3212 Park Place.
 *BIRDSONG, BIRDIE OTIS (59), (Ga.).....Government Hotels, E-F Bldg.
 BLEDSOE, DORA BELLE (0), (Ky.).....201 Eye St. N. W.
 †BLOCH, MRS. SARA KOENIGSBERG (0), (D.
 C.).....1320 Belmont St. N. W.
 *BOLEN, VIRGINIA FRANKLIN (0), (Va.)...1412 Eye St. N. W.
 *BORDEN, HAZEL A. (0), (Mass.).....1501 Farragut St. N. W.
 *BOWDEN, ANNA VIRGINIA (0), (D. C.)...Silver Spring, Md.
 †BOWERS, ETHEL (70½), (Ind.).....1736 F St. N. W.
 BOYD, HELEN (24), (N. J.).....1601 6th St. N. W.
 BRAY, MARY MADELINE (56), (Pa.).....1325 D St. N. E.
 *BRINK, ELIZABETH C. (0), (Pa.).....402 Shepherd St. N. W.
 *BRISTOW, MARIE (26), (Ind.).....1409 Chapin St. N. W.
 †BROOME, EDWIN WARFIELD (93), (Md.)..Rockville, Md.
 †*BROWN, ELIZABETH ESTELLE (0), (S. D.)..2946 Mills Ave. N. E.
 BROWN, GEORGIA MAE (76), (Minn.)....Government Hotels, R-S Bldg.
 BRUCE, GAIL (88), (Ohio).....1652 29th St. N. W.
 BRUMM, HENRYETTE (82), (D. C.).....517 E St. N. E.
 BRYAN, BESS LUCILE (0), (Tenn.).....1226 New Hampshire Ave. N.
 W.
 BURROUGHS, EUGENE SCOTT (95), (Md.)...Clinton, Md.
 †CAMPBELL, BESSIE BLACKWELL (30),
 (Va.).....1305 Rhode Island Ave. N. W.
 CARLSON, ELIN (48), (Mich.).....664 Highland Ave. Takoma Pk.
 †CARNEY, ETHEL (0), (D. C.).....1009 Otis Place.
 †CARTER, NELLE ELIZABETH (0), (Ind.)...1827 Eye St. N. W.
 CHALICE, CLARA ELIZABETH (58), (D. C.)..1789 Lanier Place.
 CHAMBLIN, JULIA VIRGINIA (0), (Va.)....Apt. 104, Falkstone Courts.
 CHAPMAN, MARION LOUISA (0), (D. C.)...3228 13th St. N. W.
 *CHEATHAM, TERESA W. (0), (N. J.).....1804 16th St. N. W.
 *CHEESEMAN, EMMA C. (52), (N. Y.).....3512 10th St. N. E.
 *CLIFFORD, MAY FRANCES (0), (Minn.)...656 Mass. Ave. N. E.
 COATES, Lyla M. (0), (D. C.).....4601 Ga. Ave.
 *COBB, EDITH GREY (0), (N. C.).....Government Hotels, X-Y Bld.
 COLBERT, ALICE (0), (D. C.).....1782 Lanier Place.
 COMPTON, LAKE FORD (0), (Va.).....912 14th St. N. W.
 *CONNELL, LILLIE MARIE (115), (D. C.)...1642 29th St. N. W.
 *COTTER, MARY LOUISE (48), (D. C.)....1648 Fuller St. N. W.
 COVINGTON, LOUISE ISABEL (113), (Mo.)..208 Md. Ave. N. E.
 CRABTREE, EUNICE KATHERINE (30), (D.
 C.).....1304 Euclid St. N. W.
 CROCKETT, BESSIE LEE (71), (D. C.).....1617 Swan St. N. W.
 *CROWDER, NAOMI (10), (Va.).....1155 Morse St. N. E.
 DARBY, MARGARET IJANIS (24), (Md.)...1819 G St. N. W.
 DAVIS, EMILY R. (0), (D. C.).....107 R St. N. W.
 DAVISON, MRS. MABEL M. (43), (D. C.)...2700 13th St. N. W.
 †DAVISON, RUTH LOWE (8), (D. C.).....Government Hotels, P-Q Bldg.
 *DE SHIELDS, MAE VIOLA (0), (D. C.)...125 5th St. N. E.
 DUFOUR, ARLINE HUGHES (113), (D. C.)..1860 Columbia Road.
 DULAC, MRS. HILDA NORTH (95), (D. C.)..Univ. Apts., Baltimore, Md.
 DULIN, CECILIA PINKNEY, (69), (D. C.)...3725 Morrison St. N. W.
 *DUNLAY, ANN VERONICA (0), (Neb.)....3343 Mt. Pleasant St.
 *DUSKIN, EDNA (0), (Kan.).....406 E. Wardman Courts.
 †EARNEST, HAZEL VIRGINIA (0), (Md.)...Mt Rainier, Md.
 †EARNEST, LILLIAN OPHELIA (0), (Md.)...Mt. Rainer, Md.
 ECKBERG, LILLIAN S. (0), (Minn.).....618 11th St. N. W.

EDIC, MARGARET JANE (78), (N. Y.)	3812 7th St. N. W.
EDINBURG, MRS. FLORENCE P. (68), (Mich.)	714 5th St.
ELLIOT, JANET ELIZABETH (0), (D. C.)	3757 McKinley St.
EPSTEIN, TESSIE (0), (N. Y.)	1432 R St. N. W.
EWER, MAIDEE (52), (Calif.)	1141 New Hampshire Ave. N. W.
FARIS, HELLEN MILLS (0), (D. C.)	1346 Harvard St. N. W.
FEAGANS, HAZEL (0), (Ind.)	1318 Q St. N. W.
†FISHER, JULIA BELLE (0), (Ala.)	216 12th St. S. E.
FOLEY, CAROLINE M. (60), (Pa.)	1411 11th St. N. W.
FOSS, BETH ISABEL (48), (N. Y.)	2540 14th St. N. W.
FOWLER, ALICE VIRGINIA (12), (D. C.)	1346 Irving St. N. W.
†FOX, LAURA BLANCHE (0), (Miss.)	2300 18th St. N. W.
FRAVEL, MARGARET (3), (Va.)	East Falls Church, Va.
FRAZIER, SUSIE JOLLEY (54), (Md.)	1842 Ingleside Terrace.
FREDLEY, DAISY O. (54), (Ohio)	1827 Eye St. N. W.
FREEMAN, HARRIET HELENA (28), (Ill.)	3312 Park Place.
GADDIS, MARGARET TRIMBLE (98), (D. C.)	1017 E. Capitol St.
GALIHUR, BLANCHE P. (62), (D. C.)	436 6th St. N. E.
GAMBS, JOHN SACKE (68), (Ohio)	2617 University Place.
GARDNER, ELLA (88), (D. C.)	3367 18th St. N. W.
GARDNER, RUFUS SOLOMON (64), (Va.)	720 19th St. N. W.
*GARST, JULIA C. (0), (Kan.)	1226 12th St. N. W.
GERRY, KATHERINE (0), (D. C.)	3029 13th St. N. W.
GESSFORD, MARGARET (58), (D. C.)	3123 13th St. N. W.
GETTY, ANNIE GRAHAM (67), (D. C.)	1647 Hobart St.
*GILES, MARY LOUISE (0), (Pa.)	3221 Mt. Pleasant St.
GILLETTE, LAURA (10), (N. Y.)	206 6th St. S. E.
*GOLDMAN, DOROTHY (0), (Texas)	1520 P St. N. W.
*GREEN, LEONARD HARRISON (48), (Pa.)	706 15th St. S. E.
GREGG, EDITH W. (48), (D. C.)	1326 Columbia Road.
GREGORY, AGNES JOSEPHINE (70), (D. C.)	The Olympia.
*GREGORY, ETHEL (0), (Mich.)	3747 Huntington St.
*GRIFFIN, ESTELLA M. (48), (Neb.)	2622 13th St. N. W.
GUEST, CORA ESTELLE (16), (D. C.)	3165 18th St. N. W.
GUEST, MARGARET REID, (16), (D. C.)	3165 18th St. N. W.
GUILFORD, CHARLES CARLTON (83), (Va.)	R. F. D. 1, McLean, Va.
GUYTON, AGNES H. (0), (Colo.)	The Iroquois Apartment.
*HALEY, NELLIE ELIZABETH (52), (Okla.)	Government Hotels, E-F Bldg.
*HALL, MARIE LAURETTA (0), (W. Va.)	1927 G St. N. W.
HANDY, JESSIE BRUCE (48), (D. C.)	1937 Park Road.
*HANSEN, FLORENCE E. (0), (Pa.)	1229 Conn. Ave.
*HANNAN, LORETTA (0), (D. C.)	51 Rhode Island Ave. N. W.
HARDELL, LELIA B. (94), (D. C.)	906 P St.
HARTWELL, MRS. DESSA MOORIS (48), (Ill.)	1819 G St.
HASLUP, DOROTHY LUCILE (0), (Md.)	Laurel, Md.
*HAYES, ANNIE BROWN (42), (Pa.)	1421 Columbia Road.
†HEIDER, ANNA (68), (D. C.)	943 Westminster St.
HENDERSON, ELEANORA (84), (D. C.)	1630 17th St.
†*HERMAN, ELIZA JANE (0), (Mich.)	1315 20th St.
HESSLER, AGNES BERTHA (40), (D. C.)	1358 C St. S. W.
*HILL, ALMA CELESTE (0), (D. C.)	1367 Quincy St.
*HILL, HELEN BLACKSTONE (52), (D. C.)	The Alabama.
*HILLYARD, RUTH MILDRED (0), (D. C.)	1124 10th St.
*HILTON, EMMA L. (0), (Mich.)	2622 13th St.

- HINES, RUTH GLADYS (0), (Mass.).....1201 E. Capitol St.
- HIPPE, INGA AUGUSTA (9), (Minn.).....1419 Clifton St.
- *HOLMES, IMOGENE ELIZABETH (0), (Ind.)..1627 Lamont St.
- HOPF, EVELYN ERNESTINE (0), (Mass.)...158 You St. N. E.
- HOPKINS, VERA (0), (Iowa).....421 6th St. N. E.
- HUBER, JOSEPHINE MARIE (58), (D. C.)...1308 Md. Ave. N. E.
- HUCKABEE, HENRY GRADY (62), (Ala.)....Civil Service Comm.
- HUMPHREY, MARY ELIZABETH (95), (D. C.)..406 Rhode Island Ave. N. W.
- *HYNES, EDNAH MAY (0), (Md.).....315 E. North Ave. Baltimore,
Md.
- JACKSON, FRANKLIN JOSEPH (56), (D. C.)..1212 Massachusetts Ave. N. W.
- *JACKSON, MURIEL AGNES (0), (N. Y.)....1515 Massachusetts Ave. N. W.
- JENKINS, KATHRYN BIRD (0), (D. C.).....903 H St. N. W.
- JOHNSON, EMILY WINIFRED (67), (Va.)....Cherrydale, Va.
- JOHNSON, VIRGINIA HEAD (86), (D. C.)...1107 O St. N. W.
- JONES, FLORENCE M. (0), (Neb.).....2123 18th St. N. W.
- JONES, MRS. MARIE MACMILLAN (Wash.)..2315 Pennsylvania Ave. N. W.
- JONES, MIRIAM MARGARET (15), (N. C.)...107 Second St. N. E.
- JUDGE, IVA MARGARET (0), (Wis.).....11 Randolph St.
- *KAIL, HARRIET RANDALL (65), (D. C.)...917 Florida Ave.
- KAUFFMAN, HARVEY EARL (117), (Pa.)...1135 17th St. N. W.
- KEESECKER, WARD WILBUR (6), (W. Va.)..1929 K St. N. W.
- KELTON, ADELAIDE (60), (D. C.).....1827 Kalorama Road.
- KENDRICK, ELIZABETH H. (0), (D. C.)....The Cumberland.
- *KERNKAMP, LEILA MYRTLE (0), (Minn.)..433 Mt. Pleasant St.
- *KINSEY, GRETCHEN WOODSIDE (0), (Pa.)..407 Randolph St.
- †KIRKBRIDGE, MRS. IRENE HYTREE (0),
(Ohio).....626 Rock Creek Church Road.
- LANGSHAW, GERTRUDE HOPE (48), (Mich.)..Government Hotels, C-D
Bldg.
- LARAMY, RUTH GLADYS (0), (Minn.).....3433 Mt. Pleasant St.
- *LAWRENCE, LENORE LOUISE (0), (Mich.)..3212 Park Place.
- *LAWSON, MARGARET LUCILE (54), (D. C.)..206 13th St. N. E.
- †LEWIS, ELIZABETH STANTON (0), (D. C.)..3316 Mt. Pleasant St.
- LOMAN, MARY EUGENIA (58), (Md.).....Sherman Ave. Takoma Park.
- LOUX, LLOYD FOX (0), (Pa.).....1135 17th St. N. W.
- *LOVE, RUBY (0), (Mo.).....130 Bryant St.
- LUCAS, BERTHA LOVELL (54), (D. C.)....25 N St. S. E.
- MCCARTY, CORA (102), (D. C.).....1729 H St. N. W.
- MACON, LENA (18), (Ill.).....3923 14th St. N. W.
- MAGRUDER, MARY (65), (Md.).....Rockville, Md.
- *MAKOWICZM, BESSIE LORRAINE (0), (W.
Va.).....1724 Park Road.
- †MANGELS, MRS. CLARA SHERMAN (0),
(Md.).....225 Oak St. Takoma Park.
- †MANGUN, CLARA BELL (0), (Ohio).....120 Md. Ave. S. W.
- †MARSHALL, EMMA BLANCHE (0), (D. C.)..1317 Rhode Island Ave.
- MARTZ, MARGUERITE URSULA (56), (Md.)..1700 I St. N. W.
- MATTHEWS, ETTA HELENE (85), (D. C.)...1223 Euclid St.
- MATTHEWS, FRANCES MARIE (0).....18 Bryant St.
- MAXSON, EVELYN JULIET (68½), (D. C.)..647 E. Capitol St.
- MEEK, LOIS HAYDEN (74), (D. C.).....1831 California St.
- *MERRICK, DELLA E. (0), (N. Y.).....Stratford Hotel.
- *MERRIKEN, MARGARET IRENE (0), (Md.)..127 Maryland Ave. N. E.

MEYER, ELLA LYDIA (53), (Neb.)..... Government Hotels, G-H Bldg.
*MYERS, CLARA BELLE (8), (D. C.)..... 3214 Wisconsin Ave.
MINOR, MRS. ISABEL MAYNARD (52), (D. C.).....
C.)..... 129 Varnum St.
MINOR, IVA GOLA, (67½), (Mo.)..... 1324 Kenyon St.
*MOBLO, LILLIAN IRENE (0), (Mich.)..... 1110 P St. N. W.
†MONRED, RAVENELL ANNESLEY (0), (Md.)..... Gaithersburg, Md.
MOODY, ADA C. (48), (D. C.)..... 1512 P St. N. W.
MOORE, DELLAR SEARS (0), (Ill.)..... 1408 15th St. N. W.
†MOORE, GEORGE MANSFIELD (0), (Ky.)... 621 Rock Creek Church Rd.
*MOORE, MARGARET MYRTLE (30), (D. C.)..... 656 Massachusetts Ave. N. E.
*MORAN, KATHLEEN MARY (0), (Ind.)... 601 E St. N. W.
MORTIMER, Florence Craigie (46), (D. C.)... 1141 New Hampshire Ave.
*MORTIMER, LUCILE ELIZABETH (0), (D. C.)..... 1141 New Hampshire Ave. N. W.
* MOUNT, RUTH M. (0), (D. C.)..... 219 Pennsylvania Ave. S. E.
MULFORD, MRS. BESSIE BOYD (114), (D. C.)..... 1731 Columbia Road.
MURRAY, HARRIET LENORE (54), (D. C.)... 120 Third St. N. E.
†NELSON, CHRISTINE ARNOLD (0), (Ky.)... 1337 15th St. N. W.
NELSON, CLARISSA ADELINE (12), (N. D.)... 2524 17th St. N. W.
NEWLOVE, MRS. MERLE WHITE (94½), (Ill.)..... 713 19th St. N. W.
NEWLOVE, IVADEL ELSIE (61), (N. D.)... 713 19th St. N. W.
NICHOLLS, VIRGINIA M. (48), (D. C.)... 2144 F St. N. W.
NICHOLS, DOROTHY VALENTINE (0), (Md.)... 6402 Connecticut Ave. N. W.
NICHOLS, HERBERT BARKER (33), (D. C.)... 6402 Connecticut Ave. N. W.
NOLAN, MARGARET COX (0), (N. Y.)..... 1819 G St. N. W.
*O'DONOGHUE, ALICE C. (0), (D. C.)... 2300 First St. N. W.
OFFUTT, VIOLA (115), (Md.)..... Bethesda, Md.
†OLDHAM, ELIZABETH GRACE (0), (Fla.)... Government Hotels, V-W Bldg.
*OLIN, SARAH (14), (Mich.)..... 1400 Fairmont St.
ORYNSKI, WANDA (113), (Tex.)..... 2008 G St. N. W.
*PARKER, CORDELIA JANE (0), (Ill.)..... 4121 9th St. N. W.
PATTERSON, MARGARET ST. CLAIR (0), (D. C.)..... 3107 N St. N. W.
PAYNE, LILLY MAY (84), (Va.)..... Ballston, Va.
PERLMAN, REBECCA (60), (D. C.)..... 608 Louisiana Ave. N. W.
*PETZOLD, NELLIE (0), (Calif.)..... 1603 Connecticut Ave. N. W.
POINDEXTER, MATTIE (66), (Ky.)..... 1410 11th St. N. W.
POLLOCK, LAURA KERSEY (67), (Va.)..... Victoria Apartments.
POWELL, LUCY CHANDLER (0), (Va.)..... 1626 6th St. N. E.
PRICE, LILLIAN PEARL (0), (Del.)..... 1802 M St. N. W.
QUINN, DAVID LONG (0), (Md.)..... 2211 H St. N. W.
RANDALL, BERNICE (103), (D. C.)..... 2035 F St. N. W.
REED, MARGARET DAVIS (104), (D. C.)... 2809 14th St. N. W.
REEVES, RUTH ELIZABETH (62), (Va.)... Falls Church, Va.
†REYNOLDS, ALICE LOUISE (0), (N. Y.)... 128 12th St. N. E.
†RHODES, FREDDA (0), (Pa.)..... 2721 11th St. N. W.
RING, GRETCHEN (86), (D. C.)..... 1215 Harvard St.
ROBERTS, EVELYN MILLER (48), (Pa.)... 1733 20th St. N. W.
ROBERTS, HARRIET SHEPHERD (105½), (Pa.)..... 1733 20th St. N. W.

- ROGERS, MRS. FLORENCE HOPKINS (66),
(D. C.).....1104 Euclid St. N. W.
- ROD, EVA (0), (D. C.).....2104 18th St. N. W.
- RODGERS, BERTHA (110), (D. C.).....1445 Massachusetts Ave. N. W.
- ROSE, MARY ESTELLE (105), (D. C.).....2963 Tilden St. N. W.
- *ROUSE, GEORGE (0), (Oregon).....1819 G St. N. W.
- *ROUSE, MARY (0), (Oregon).....1819 G St. N. W.
- RUE, HAROLD PERCY (101), (Pa.).....54 Bates Street
- *RUNYAN, GRACE E. (84), (Neb.).....Peru, Neb.
- RYAN, FANNIE MERRITT (17), (N. J.).....Hyattsville, Md.
- SABELLA, RICARDO HICETA (0), (Philippines).....100 Eye St. N. W.
- SAGE, LILLIAN WARFIELD (96½), (Md.)...Rockville, Md.
- SANDERS, RUTH (0), (Texas).....Government Hotels, E.-F. Bldg.
- .SATTERFIELD, LUNA ELSIE (0), (N. C.)...322 A St. S. E.
- SCHAHNER, ANNA MAGDALENE (0), (Ill.)...1619 17th St. N. W.
- *SCOTT, HYACINTH (0), (Pa.).....1227 Florida Ave. N. E.
- SCOTT, PAULINE (84), (D. C.).....The Balfour
- SELAH, MIRIAM HUGHES (88), (D. C.)...17 Third St. N. E.
- †*SEWELL, MARGUERITE ALICE (0), (Kan.)...1407 W St. N. W.
- *SHAFER, MARY MANDILLA (0), (Ind.)...Government Hotels, P-Q Bldg.
- SITLER, MARGARET ANNE (65), (D. C.)...417 11th St. N. E.
- SLAYTON, MARY RUTH (0), (Idaho).....1326 Massachusetts Ave.
- SMITH, EDNA SOPHIA (86), (Mich.).....1320 10th St. N. W.
- SMITH, MAURICE MERLE (90), (Okla.)...2511 14th St. N. W.
- SMITH, ZEULA ZONG (0), (Calif.).....2036 F St. N. W.
- *SNOWBERGER, GARNET (0), (Ind.).....1744 T St. N. W.
- *SOSAMON, BONNIE (0), (Ill.).....1819 G St. N. W.
- *SPEISER, MARY ELIZABETH (34), (D. C.)...226 8th St. S. E.
- SQUIRE, MRS. MINNIE C. (54), (D. C.)...1349 Parkwood Place.
- *STACK, CLARA LOUISE (48), (D. C.).....3421 14th St. N. W.
- STALLINGS, MILDRED EVELYN (81), (D. C.).....108 Tennessee Ave. N. E.
- *STEELE, SARA NEWTON (0), (Ga.).....1735 Willard St.
- †STEWART, CATHERINE MAUD (10), (Va.)...E. Falls Church, Va.
- STEWART, ELIZABETH TABB (91), (Va.)...E. Falls Church, Va.
- STEWART, MARY (6), (D. C.).....627 Maryland Ave. N. E.
- *STOVALL, MISS TOM (0), (Ala.).....1414 K St. N. W.
- *STRANTZ, ANNA LOUISE (33), (Ind.)...1837 M St. N. W.
- TAYLOR, MABELLE CLAIRE (16), (Ind.)...930 O St. N. W.
- †THIESFELDT, PAULINE ELIZABETH (0),
(Mass.).....1111 Fairmont St.
- THOMPSON, MARIE ADA (88), (Miss.)...1818 H St. N. W.
- THORN, LULA BASSETT (52), (D. C.)...627 Maryland Ave. N. E.
- THORNHILL, ANNIE COLLIER (0), (Va.)...3033 15th St. N. W.
- THOUR, EMILY ANNA (0) (D. C.).....736 11th St. N. E.
- TICE, JOYCE M. (0), (Minnesota).....Government Hotels, R-S Bldg.
- *TODD, MARIE BOCKOVER (0) (N. Y.)...1279 21st St N. W.
- TONGE, CATHERINE MARY (80), (D. C.)...401 Willard Courts.
- TROTTER, KATHARINE ELIZABETH (70),
(D. C.).....512 Rhode Island Ave. N. E.
- TWELE, GLADYS ROSAMOND (30), (D. C.)...Lanham, Md.
- *TYREE, ZELMA RIGBY (50), (D. C.)...1328 Maryland Ave. N. E.

- *ULEBERG, ANDREA (0), (Minn.).....1133 Allison St.
 VAIL, MARGARET LEE (0), (D. C.).....The Toronto.
 VAN DYKE, MABEL (15), (Ohio).....121 North Carolina Ave. S. E.
 *VAUGHT, LESSYE LEE (30), (W. Va.).....3720 New Hampshire Ave. N. W.
 WAESCHE, MARY ELEZE (0), (Md.).....6105 4th St. N. W.
 WALCOTT, MARIE ESTELLE (56), (D. C.)...410 6th St. N. E.
 WALSH, JOHN BERNARD (90), (Mont.)...442 Massachusetts Ave. N. W.
 WALTER, GERTRUDE ELIZABETH (90), (D. C.).....406 A St. S. E.
 WEYMAN, MOLLIE BEERS (112), (D. C.)...1310 Columbia Road.
 WHEATLEY, MARY ELIZA (100), (Va.).....2138 F St.
 WHITZELL, MARGARET EVA (64), (D. C.)..The Alabama.
 *WILLEY, BESSIE FERN (0), (Kan.).....1837 M St. N. W.
 †WILLIAMS, HARRIET MARTHA (0), (Pa.)...1827 2nd St.
 WILLIAMS, INEZ SPRAGUE (0), (Ohio)....1812 Ontario Place.
 WILLIAMSON, MARGARET (54), (Va.).....1725 H Street.
 †WILLIAMSON, MARY LILLIAN (0), (Va.)...1202 18th St.
 WILSON, JOSEPH HENRY (8), (Pa.).....1436 W St. N. W.
 B. S. in M. E., 1919, George Washington University.
 *WILSON, MARY E. (0), (Va.).....1155 Morse St. N. E.
 †WIMER, MARTHA ELIZABETH (63), (D. C.)..The Imperial.
 WOLF, HATTIE MARY (64), (D. C.).....2333 Ashmead Place.
 WOLFENBERGER, FLOY (91), (Mo.).....1436 R St. N. W.
 *WOLMAN, RENA (64), (Md.).....723 Lenox St. Baltimore, Md.
 WOOSTER, VIVIAN (0), (Mo.).....1749 Q St. N. W.
 *WORLEY, JOSEPH FRANK (0), (Ky.).....1118 10th St. N. W.
 *WRIGHT, OLIVE CATHERINE (0), (D. C.)..Wardman Park Hotel.
 *WRIGHT, RUTH A. (0), (D. C.).....Wardman Park Hotel.
 WYLAND, GRACE (0), (Wyo.).....The Gordon.
 †YOUNG, HILDA MAY (52), (D. C.).....1312 Belmont St. N. W.

SPECIAL STUDENTS

- ABBOT, JULIA WADE, (N. J.).....1661½ Hobart St.
 *ALRICK, ANDREA JOSEPHINE (Mont.)....Government Hotels, P-Q. Bldg.
 BEKER, MARIE ANTOINETTE (N. Y.).....1455 Belmont St.
 A. B., 1916, Hunter College.
 CRADY, ANNA CECELIA, (Md.).....The Cairo.
 DOWNEY, JANE (D. C.).....3305 Georgia Ave.
 FITZHUGH, SALLIE PANNILL (Va.).....506 B St. N. E.
 GOULD, MRS. IRENE METTER (Alabama)..1115 8th St.
 *HOWARD, ELLA OLDHAM (Mass.).....929 New Hampshire Ave. N. W.
 Hume, KATHERINE B. (Ky.).....1326 Columbia Rd.
 *JENNERWEIN, KATHERINE (Germany)....2 Newland St., Chevy Chase.
 JESSUP, MAUD M. (Va.).....1601 30th St. N. W.
 *KEYSER, HERBERT FRED.....1439 Park Road.
 A. B. Colgate University.
 †KREIDER, DAISY BELLE (Ill.).....739 Quebec Place.
 LANCASTER, NELLE ELIZABETH (W. Va.)...201 Tennessee Ave. N. E.
 *LAWSON, MARGARET LUCILE (D. C.)....206 13th St. N. E.
 A. B. and T. D., 1914, George Washington University.
 MATHEWS, MARY C.....2472 Ontario Place.
 *MEYER, MRS. J. FRANKLIN (D. C.).....3727 Jocelyn St.
 *MILLS, ALICE ELIZABETH.....Government Hotels, R-S Bldg.
 A. B., Trinity College.
 MITCHELL, MRS. RENA S. (Ill.).....1314 Belmont St.

†PARKES, SARA JAY (D. C.).....	1711 Eye St.
*†PORTER, BEATRICE MARGARET (Maine)...	1819 G St. N. W.
.REED, RUSSELL BAUER (N. J.).....	1218 Girard St. N. W.
RYDER, JOSEPHINE (Va.).....	2124 Pennsylvania Ave. N. W.
SALTER, KATNRYN CARY (Fla.).....	623 Newton St. N. W.
.SMITH, ISABELLE (Ill.).....	6614 Harland Place, Takoma Park.

B. S., Valparaiso University.

SMITH, JESSIE (Ky.).....	2224 F St. N. W.
SNOWDEN, ELIZABETH VICTORIA (D. C.)...	1818 Ingleside Terrace.
ST. JOHN, MRS. GRACE MARY ZINSSMEISTER (D. C.).....	1800 K St. N. W.
.STEWART, MARY MABEL (D. C.).....	127 3rd St. N. E.
A. B., 1914, Grove City College; A. B. and T. D., 1915, George Wash- ington University.	
.*STONE, LUCIA MEY (Washington).....	1217 Franklin St. N. E.
THOMAS, MRS. HARRIETT ISABEL (Ky.)...	Rutland Courts.
TONER, CAROLINE ESTELLE (D. C.).....	1814 Ingleside Terrace.
VAUGHN, EFFIE (Va.).....	1356 Emerson St. N. E.
WHITAKER, ANNE RUTLEDGE (Tenn.)....	1312 R St. N. W.
WISROTH, MINNIE AMANDA (Neb.).....	Government Hotels, V-W Bldg.

SUMMER SCHOOL.

ABEL, GLADYS.....	Texas
ABEL, JAMES FREDERICK.....	Nevada
A. B., University of Nevada; A. M., Stanford University	
ABEL, MEREDYTH.....	Texas
ADAIR, PRUDENCE.....	Washington
ADAMS, JAMES M. R.....	Maryland
ALLEN, RUTH FRANCES.....	District of Columbia
ANDERSON, EDITH A.....	Illinois
ANDERSON, ROBERT N.....	Virginia
ANDREWS, ALICE.....	Ohio
ANGUS, JAMES T.....	Missouri
ARROWSMITH, JEAN M.....	Pennsylvania
ASMUS, LEWIS D.....	New Jersey
B. S. in Engineering, Drexel Institute	
BAER, JOHN L.....	Pennsylvania
BAILEY, LILLIE PORTER.....	District of Columbia
BANING, GEORGE.....	Ohio
*BARNES, MEDORA E.....	Indiana
BASSECHES, JACOB THOMAS.....	New York
BASSETT, SAMUEL B.....	District of Columbia
BAUER, EMMA B.....	Pennsylvania
BEACH, JESSIE.....	Texas
BEALL, GRACE E.....	Maryland
BEHREND, HENRIETTA.....	Maryland
BELL, NELLIE.....	Tennessee
BELL, STANLEY W.....	District of Columbia
BENNETT, AVA L.....	Ohio
BENNETTS, MILDRED.....	Wisconsin
BERGER, EDWIN A.....	Pennsylvania
BEST, S. JANE.....	District of Columbia

BIRGE, MARGARET C.....	Virginia
BLANKEN, DAVID.....	District of Columbia
BLEIKER, ROSS F.....	Missouri
BOSWELL, MARGARET.....	Virginia
BOSWORTH, ROBERT JOSEPH.....	District of Columbia
BOWEN, GEORGE L.....	Kansas
BOYD, HELEN.....	New Jersey
BOYD, SUE H.....	North Carolina
A. B., Flora Donald College	
BOYNTON, AMY C.....	Ohio
BOYNTON, MARCIA.....	Ohio
BRACKETT, RUTH F.....	Maine
BRADLEY, MARY M.....	Georgia
*BRASELL, LOUISE.....	Mississippi
BRAZEROL, CATHERINE BEATRICE.....	District of Columbia
*BRIMER, THOMAS J.....	Tennessee
BROWN, ELIZABETH E.....	South Dakota
BROWN, ERMA.....	Missouri
*BROWN, JOSEPHINE A.....	New York
BROWN, LOIS.....	Texas
BROWN, MARY ESTHER.....	Maryland
A. B., Western Maryland College	
BROWN, RADFORD.....	District of Columbia
BRUMM, HENRYETTE.....	District of Columbia
BUCHMAN, EVA.....	Iowa
BURCHFIELD, HENRIETTA.....	New York
BURDICK, BERNARD F.....	Alabama
BURNER, ELIZABETH MARY.....	Texas
BURSON, MAY.....	Alabama
BURTON, OLIVER E.....	West Virginia
CABLER, CLEVELAND.....	Arkansas
CAMPBELL, JOHN ALVIN.....	Pennsylvania
A. B., Westminster	
CAMPBELL, JOHN C.....	Washington
CAMPBELL, RUTH L.....	California
CARLE, HERBERT M.....	Ohio
CARLISLE, MASTON T.....	Tennessee
B. S., University of South Carolina; M. S., Vanderbilt	
CARMACK, CHRISTIAN.....	Florida
CARR, ELMA B.....	Kentucky
CARTMELL, LEON E.....	Mississippi
CASTELL, LOIS.....	Indiana
CASTILLEJO, LINO JUAN.....	Philippine Islands
A. B. and T. D., George Washington University	
CHAREST, ANNA M.....	District of Columbia
CHEYNEY, WILLIAM JAMES.....	Pennsylvania
CHU, KING.....	China
A. B., A. M., George Washington University	
CHURCH, EARL R.....	Michigan
CLARKE, BEVERLY L.....	District of Columbia
*CLARKE, MIRIAM F.....	District of Columbia
A. B., Syracuse University	
COBB, JOSEPH MANLY.....	West Virginia
COCHRAN, DORIS M.....	District of Columbia
COLBURN, WILLIAM E.....	District of Columbia
COLE, MABEL A.....	Michigan

COMER, JENNIE E.	Minnesota
CONNER, GEORGE L.	Ohio
COOK, J. GERALDINE	Washington
COREY, GEORGE H.	Pennsylvania
CORNELL, JOSIAH HART	Ohio
*CORNELL, MRS. P. D.	District of Columbia
*CORNETT, JOHN L.	Indiana
COSTEN, ALTA	Maryland
A. B. and T. D., George Washington University	
COTTRELL, CASPER L.	District of Columbia
COVERT, ROY N.	Illinois
COX, CARRIE	West Virginia
CRAMER, ROBERT LEE	District of Columbia
CREVELING, WILLIAM A.	District of Columbia
CROGGON, WILLIAM N.	District of Columbia
CROMAR, KENNETH	Virginia
CULBERTSON, PAUL T.	Kansas
CUMMINGS, FLORENCE	District of Columbia
*CUNNINGHAM, RICHARD H.	West Virginia
*CURTIS, VIVIAN	New York
CUTTS, LOUISE	Washington
DALE, LLOYD E.	Nebraska
DANFORTH, LOUISA AGNES	District of Columbia
DAVIS, CLARA BELL	Virginia
DAVIS, WILLIAM H.	New York
DEAN, WAIVA	Oregon
*DE FREES, RAYMOND	Ohio
DE LONG, CARL R.	Ohio
B. S. in Chemical Engineering, Ohio State University	
DENNISON, A. ROBERT	District of Columbia
DERMAN, WILLIAM	District of Columbia
*DICKENSON, MRS. ARLINE	Massachusetts
DITMER, EDITH M.	North Dakota
*DOKE, LULA C.	Florida
DOLLARHIDE, DANIEL AUGUSTUS	Arkansas
A. B., Henderson-Brown College	
DONNOLLY, ISABEL	Illinois
DOUGLAS, LAURENA W.	Virginia
DOWNNEY, JANE	District of Columbia
DOYLE, BLANCHE GLEASON	Illinois
DRUMMOND, EARLE J.	Ohio
*DUNHAM, CATHERINE	Indiana
DYKES, CHAPMAN I.	Georgia
*EARNSHAW, WILLIAM I.	District of Columbia
ECKERT, ESTHER A.	District of Columbia
ECKMAN, LULU L.	Ohio
EDELSTEIN, BENEDICT M.	Pennsylvania
ELDRIDGE, FRANK R.	Maryland
ELEM, LEILA BELLE (Missouri)	2411 N. Capitol St.
ELLIOTT, JAMES HULL	Virginia
ENYART, ALTA	District of Columbia
ERBE, ERNST A.	Kansas
EVANS, GRIFFITH	District of Columbia
EVANS, MORRIS	District of Columbia
FARRELL, THOMAS F.	Massachusetts
A. B., George Washington University	

FARRIS, MAY.....	Indiana
FEDDE, WALTER C.....	Colorado
FIELD, ROSALIE.....	Virginia
*FISKE, MARGARET ANN.....	New York
*FLAHERTY, PAUL B.....	Massachusetts
*FLANNIGAN, SAMUEL C.....	Virginia
FLOWER, KATHERINE.....	District of Columbia
*FOLEY, DR. T. M.....	District of Columbia
FOSTER, ISABEL.....	Maine
FREDLEY, DAISY O.....	Ohio
FREE, WALTER H.....	Iowa
FREELAND, FRED B.....	South Dakota
*FREEMAN, MARY E.....	District of Columbia
FRIEDMAN, SOLOMON.....	District of Columbia
FROBES, HERMAN T.....	Utah
FROST, BEULAH.....	Oregon
GALESKI, ALEXANDRA L.....	District of Columbia
A. B., George Washington University	
GALLERY, J. EUGENE.....	Maryland
GAMBS, JOHN S.....	Ohio
*GARDNER, HELEN.....	District of Columbia
GATES, ISABELLE LIKENS.....	District of Columbia
GEBHART, ARTHUR J.....	Pennsylvania
GELDHOF, A. E.....	Michigan
GEORGE, MARY V.....	New York
GESCHICKTER, CHARLES.....	District of Columbia
GIBBON, MARIE E.....	Virginia
GILL, MINNA.....	District of Columbia
GILLISS, ETHEL AMELIA.....	Maryland
GODDARD, EUNICE F.....	Maine
GODFREY, C. M.....	District of Columbia
GOLDFAIR, SAMUEL.....	Colorado
*GOLDFARB, SAUL M.....	New Jersey
GRACE, ELIZABETH.....	Alabama
GRAHAM, GEORGE E.....	Pennsylvania
GRAY, EDITH M.....	District of Columbia
GRIFFITH, RUTH.....	Maryland
GRIGGS, LULA J.....	Tennessee
HALES, RALPH A.....	District of Columbia
HALL, MARIE L.....	West Virginia
HAMILTON, BONIFANT.....	District of Columbia
HAMRIC, ETHEL MARIE.....	Virginia
HARDING, RAYMOND B.....	Virginia
HARNSBERGER, C. W.....	Virginia
*HARRIS, GEORGE E.....	Massachusetts
HARRISON, ARTHUR P.....	Maryland
HARTMAN, ARTHUR M.....	District of Columbia
*HAWKINS, GERTRUDE.....	Georgia
HAYCRAFT, CHARLES J.....	Maine
HAYS, CAPT. D. S.....	Oregon
M. E., Cornell University	
HAZELL, JOSEPH W.....	District of Columbia
HEAL, BERNICE I.....	Indiana
HECKERT, GEORGE T.....	West Virginia
HENDRICKSON, LYDIA.....	Sweden
HESSLER, AGNES BERTHA.....	District of Columbia

HESTER, MARGARET.....	Virginia
HEWETT, CHARLES.....	Iowa
HIPPE, INGA.....	Minnesota
HOBBS, PAULINE.....	District of Columbia
HODGKINS, GEORGE W.....	District of Columbia
A. B., A. M., George Washington University	
HOFFMAN, HERMAN S.....	Maryland
HOLSINGER, ERNEST J.....	Indiana
HOMAN, L. S.....	Ohio
HONCIK, HILDA.....	Ohio
HONECKER, H. J.....	Pennsylvania
HORWITZ, ALEC.....	District of Columbia
HOWARD, ELLA OLDHAM.....	Massachusetts
HOWISON, MARION L.....	Virginia
B. A., Randolph-Macon College	
HUBER, JOSEPHINE M.....	District of Columbia
*HUDSON, SARAH C.....	Missouri
HUNTER, PAUL B.....	Virginia
HURLEY, C. W.....	New York
HUTSON, RUTH BYERS.....	District of Columbia
HYMAN, MRS. SADIE.....	District of Columbia
IDDINGS, RUTH M.....	Maryland
JAMES, FRANCIS B., JR.....	District of Columbia
JAMESON, MRS. HARRIET.....	Iowa
JANSON, LUCRETIA.....	Ohio
JAVELLANA, JOSE B.....	Philippine Islands
JOHNSON, DOROTHY V.....	District of Columbia
JOHNSON, EDWARD W.....	Texas
JOHNSON, HAROLD.....	Florida
JOHNSTON, WINONA W.....	Mississippi
JONES, ALICE.....	Missouri
JONES, F. MARION.....	Kansas
JONES, MARIE McM.....	Washington
JOOST, DAVID.....	Texas
KAIN, H. GLADYS.....	District of Columbia
KAMPE, ALBERT H.....	Michigan
KAUFFMAN, HARVEY E.....	Pennsylvania
KEEN, SADIE ERNESTINE.....	California
KEESECKER, WARD W.....	West Virginia
KELEHER, EDITH REYNOLDS.....	District of Columbia
KENNY, THOMAS HAMILL.....	West Virginia
KENWARD, DELIA E.....	New York
*KERN, GEORGE A.....	Iowa
*KERN, RUTH H.....	Pennsylvania
KIEFER, CLARENCE M.....	Pennsylvania
LL. B., LL. M., National University Law School	
*KILDAY MARGARET.....	Texas
*KITITCH, ZHIVOIN.....	Serbia
LL. B., National University Law School	
LANAGHAN, KATE.....	Iowa
LANIGAN, ARTHUR L.....	District of Columbia
LAYTON, LOIS.....	South Carolina
LE BLANC, LAURA S.....	Ohio
LESTER, MAY M.....	Virginia
LIDE, LOUIS M.....	South Carolina
LINDOW, OSCAR H.....	Wisconsin

LINDSEY, MERRITT E.....	New York
LITTELL, NELSON	Indiana
LITTLE, DONALD	Kansas
LITTLE, MRS. EDWARD C.....	Kansas
LITTLE, JOHN FRANKLIN, JR.....	Georgia
L'MOORE, PARKER.....	North Dakota
LODGE, J. EDWIN.....	Maryland
A. B., Richmond College	
*LONG, MYRTLE C.....	District of Columbia
*LONG, W. RODNEY.....	Massachusetts
LOOMIS, HELEN MAY.....	New York
LORD, BARBARA P.....	Connecticut
LOUIS, MAX C.....	District of Columbia
LUCAS, BERTHA L.....	District of Columbia
LYNCH, OLIVE F.....	Massachusetts
LYON, QUINTER M.....	District of Columbia
McAUSLAN, FRANCES MAY.....	Massachusetts
B. S., Ohio University	
McCARTY, CORA.....	District of Columbia
McCLOSKEY, WILLIAM T.....	District of Columbia
McGOVERN, LOUISE.....	District of Columbia
*McINTYRE, ELLA D.....	Iowa
McKAIN, CARRIE.....	Pennsylvania
McKENDREE, LAURETTE.....	Ohio
McKENZIE, DORIS.....	District of Columbia
McMANAMY, CARL D.....	Michigan
MACEWEN, THOMAS T.....	District of Columbia
A. B., George Washington University	
MACKay, MRS. ANNA.....	Maryland
M. S., Purdue University	
MAHONEY, JOHN.....	Nebraska
MAKENS, ADELAIDE.....	South Dakota
MANNING, J. RUEL.....	Maryland
A. B., Western Maryland College	
MARBURY, WILLIAM B.....	Maryland
MARKS, FRANK H.....	District of Columbia
MASON, MRS. EDITH E.....	District of Columbia
MASON, LUCIUS RANDOLPH.....	District of Columbia
LL. B., George Washington University	
MASSEY, MARLE F.....	Kansas
MATHENY, MARY FRANCES.....	Texas
MAUL, SARAH E.....	Maryland
MAWHINNEY, JOHN A.....	District of Columbia
MEAKIN, ALLAN G.....	Ohio
*MERDIAN, BERTHA.....	Illinois
MERRICK, MANILA.....	Iowa
*METZEROTT, JOHN.....	Maryland
MICHELSON, BERNADETTE S.....	Maryland
MIDDLEBROOK, CECILIA A.....	Texas
MILLER, ODVER H.....	District of Columbia
MILLER, RALPH F.....	Pennsylvania
MILLS, AGNES J.....	Colorado
MINER, ETHEL G.....	Ohio
MINER, HELEN.....	Ohio
MONTGOMERY, JIMMIE ETHEL.....	Alabama
MOORE, ARDALA.....	District of Columbia

MOORE, FRANK DEANE	Kentucky
A. B., George Washington University, LL. B., University of Virginia	
MOORE, GOGGIN EMERSON	Virginia
MOORE, MILDRED JOSEPHINE	District of Columbia
MORAWSKI, ARTHUR L.	Massachusetts
*MORESI, MARGARET	Louisiana
MORRIS, CHARLES SCOTT	Ohio
*MORSS, MRS. M. T.	New Jersey
MOSKOVITZ, ADOLPH	District of Columbia
MOULTON, ETHEL L.	Mass
MOXNESS, BENNIE A.	North Dakota
MULFORD, BESSIE BOYD	New Jersey
MURDAUGH, J. E. D.	Maryland
A. B., University of Virginia	
MUSE, FRANK A.	Virginia
MYERS, ALONZO F.	Ohio
MYERS, MYRON L.	Maryland
NELSON, CLARISSA A.	North Dakota
NELSON, LOREN E.	Rhode Island
NEWCOMER, HARRY E.	District of Columbia
NEWLOVE, IVADEL E.	North Dakota
NEWLOVE, MRS. MERLE WHITE	Illinois
NEWMAN, HARRY W.	District of Columbia
NICHOLS, HERBERT B.	Maryland
O'BRIEN, MILDRED A.	New York
O'CONNOR, H. J.	Pennsylvania
OFFUTT, VIOLA	Maryland
OGDEN, EDITH	Ohio
OHSOL, JOHANN G.	Mass.
*OKAMOTO, ISSAK	Japan
*OLD, JOHN D.	Kansas
OLIVER, ESTELLE	Texas
OLIVER, MAJOR FRED N.	Texas
ORYNSKI, WANDA	Texas
OSTBY, MARTHA J.	Minnesota
PAUL, GEORGE HURST	Nebraska
PAZOUR, MARIE A.	South Dakota
PEAKE, ISIDORE	District of Columbia
PECK, EILEEN	Rhode Island
PEIRCE, LOTTIE M.	District of Columbia
PENCE, GRACE	West Virginia
PERLIN, HARRY	New York
PERLSTEIN, SAMUEL	Colorado
PETERSON, CHARLES F.	Maryland
PHILLIPS, BERNHARDT	District of Columbia
PICKENS, HORACE D.	Mississippi
PLOYHAR, EFFIE I.	North Dakota
POINDEXTER, MATTIE	Kentucky
POLK, IRL	Mississippi
PRENDERGAST, BERTHA M.	Pennsylvania
*QUINN, DAVID LONG	Maryland
RALSTON, HELEN	Illinois
RANCK, JAMES B.	District of Columbia
RANDALL, BERNICE D.	District of Columbia

REED, EDWIN C.....	District of Columbia
A. M., LL. B., George Washington University	
REED, FRED C.....	District of Columbia
REED, MABEL C.....	Montana
REED, MARGARET DAVIS.....	District of Columbia
REED, PAUL C.....	Louisiana
REESE, KATHRYN.....	Pennsylvania
REESE, VIRGINIA.....	Maryland
REESE, WILLIAM E.....	Louisiana
REEVE, FELICIA A.....	District of Columbia
REEVE, LAURA W.....	District of Columbia
REID, NEIL.....	North Dakota
REINBOTH, JOHN F.....	Illinois
REITZEL, ALBERT E.....	North Carolina
RICHARDS, HELEN.....	District of Columbia
RILEY, ALBERT A.....	Ohio
RING, GRETCHEN.....	District of Columbia
RINI, JEROME N.....	District of Columbia
*RIORDAN, DAVID LOUIS.....	District of Columbia
ROBERTS BESSIE M.....	Kansas
ROBERTSON, JEROME K.....	Texas
ROCKOW, LEWIS.....	Wisconsin
A. B., George Washington University	
RODRIGUEZ, HARRIS J.....	Louisiana
ROSENBLATT, LOUIS.....	New York
*ROTZLER, WILLIAM MICHAEL.....	Utah
ROWLAND, M. ELSTON.....	Tennessee
RUNYAN, GRACE E.....	Nebraska
RYAN, ALFRED E.....	District of Columbia
RYAN, FANNIE M.....	New Jersey
RYDER, JOSEPHINE.....	Virginia
SAGE, LILLIAN W.....	Maryland
SAGE, LORETTA F.....	Michigan
SALZER, GEORGE W.....	New York
A. B., George Washington University	
SANBORN, NORRIS H.....	District of Columbia
SARGENT, ANNE M.....	Massachusetts
SCHELFEFFER, FRANK.....	Illinois
SCOTT, RALPH S.....	Illinois
SCOTT, WALTER C., JR.....	District of Columbia
SEE, ERNEST A.....	West Virginia
SELLARS, MRS. STELLA C.....	Virginia
SHANDS, GEORGE K.....	District of Columbia
SHAUGHNESSY, BERTINA.....	Illinois
SHEA, JAMES W.....	District of Columbia
SHEPHERD, MARGUERITE.....	Arkansas
A. B., Virginia Intermont College	
*SHERRICK, REBURTA.....	New York
*SHOEMAKER, MARK MERCER.....	Maryland
*SHORT, ELLA AMELIA.....	South Dakota
SHORT, IDA ANTOINETTE.....	South Dakota
SKAPIAK, ANTHONY N.....	New York
SMITH, AUDLEY L.....	Iowa
SMITH, BESS J.....	Ohio
SMITH, MAURICE M.....	Oklahoma
SOSOMON, BONNIE.....	Illinois

SPEAR, ALBERT A.....	District of Columbia
SPENCER, MARY L.....	North Carolina
SPURR, F. A.....	Iowa
SQUIRE, MRS. MINNIE C.....	District of Columbia
STALLINGS, MILDRED E.....	District of Columbia
STEBEL, MADALIN A. C.....	Virginia
STEELE, CORNELIA.....	Georgia
STEIN, JOSEPH.....	New York
STEWART, ELWINNA.....	Ohio
STICKEL, JOHN F.....	District of Columbia
STONE, C. L.....	Indiana
STRAYER, MRS. JEANNETTE B.....	New York
A. B. and T. D., George Washington University	
SWAN, ALFRED LARSON.....	Minnesota
SWEARINGER, ANITA.....	Indiana
SWETT, TREVOR W.....	Massachusetts
A. B., Harvard University	
SWINSON, MARIE CLIFF.....	Illinois
TAPLEY, GLADYS.....	Virginia
*TATE, ORLEY A.....	Tennessee
TAYLOR, JANE.....	Pennsylvania
TEMIN, MORRIS.....	District of Columbia
THIESING, THEODORE H.....	New York
THOMAS, MRS. HARRIET I.....	Kentucky
THOMPSON, DAVID G.....	Illinois
A. B., Northwestern University; A. M., University of Illinois	
*THOMPSON, HARRY W.....	District of Columbia
B. S., George Washington University	
THOMPSON, THOMAS C.....	Pennsylvania
THORNHILL, ANNIE C.....	Virginia
*THORNTON, MAY A.....	Indiana
TODD, AUGUSTINE J.....	District of Columbia
*TODD, L. J.....	Ohio
TRACY, STANLEY J.....	Utah
TRUSSELL, BRANDON.....	Texas
A. B., University of Texas	
UNDERWOOD, MARY L.....	District of Columbia
A. B., George Washington University	
UNRUH, JUNE M.....	Kansas
USILTON, LIDA J.....	District of Columbia
*VANDERMARK, MARQUERETT.....	Pennsylvania
VAN NESS, ETHEL M.....	New Jersey
*VENABLE, BEN. W.....	West Virginia
A. B., Hampden-Sidney College	
VESTAL, PAUL W.....	District of Columbia
VICKERS, ROSE M.....	District of Columbia
VITALE, A. FRANCIS.....	Mississippi
WALKER, EFFIE L.....	Mississippi
WALL, MRS. LILLIAN T.....	Alabama
WALSH, HUMPHREY.....	District of Columbia
WALSH, J. BUTLER.....	District of Columbia
WALSH, JOHN BERNARD.....	Montana
WARING, PAUL.....	District of Columbia
WATSON, DOROTHY.....	Maryland

WEBER, ELSA.....	North Carolina
A. B., George Washington University	
*WELTY, LUCY.....	Indiana
A. B., Indiana University	
WENDT, ROBERT H.....	Iowa
WESLEY, GENEVIEVE.....	Iowa
WHEATLEY, MARY E.....	Virginia
WHITE, HELEN M.....	District of Columbia
WHITE, ROBERTA G.....	Maryland
WHITSON, ALICE I.....	North Carolina
B. S., State College for Women (N. C.)	
WHYTE, EUNICE.....	District of Columbia
WILGUS, FILMORA.....	Ohio
WILLIAMS, FELICIA.....	Florida
A. B., Florida State College	
WILLIAMSON, MARGARET.....	Virginia
WILLIAMSON, MARY L.....	Virginia
WILLIMAN, FRANK L.....	District of Columbia
WILSON, HERBERT.....	Tennessee
WILSON, JOSEPH H.....	Pennsylvania
B. S. in M. E., George Washington University	
*WINSJANSEN, ALMA M.....	Michigan
WOLMAN, RENA.....	Maryland
*WRIGHT, ANNA N.....	Maryland
WRIGHT, GRACE V.....	District of Columbia
WRIGHT, MARION L.....	District of Columbia
YAGLE, IRMA G.....	Alabama
YOHE, ETHEL C.....	District of Columbia
YOUNG, MRS. AUGUSTA FREEMAN.....	North Dakota
A. B., George Washington University	
ZEPP, EDWARD F.....	Delaware

SUMMARY**Graduate Students**

Students in attendance.....	36	
Candidates for S.M. Degree.....	37	
Candidates for A.M Degree.....	89	
Candidates for Ph.D Degree.....	38	
Candidates for C.E. Degree.....	4	
Candidates for M.E. Degree.....	1	
		205

UNDERGRADUATE STUDENTS**Columbian College**

Candidates for A.B. Degree.....	709	
Candidates for B.S. in Med. Degree.....	50	
Pre-Medical.....	82	
Special.....	1049	
		1890

College of Engineering

Candidates for B.S. in Arch. Degree.....	25	
Candidates for B.S. in Chemistry Degree.....	54	
Candidates for B.S. in Ch.E. Degree.....	46	
Candidates for B.S. in C.E. Degree.....	91	
Candidates for B.S. in M.E. Degree.....	95	
Candidates for B.S. in E. E. Degree.....	61	
Special.....	158	
		530

Teachers College

Candidates for A.B. and Teacher's Diploma.....	300	
Special.....	35	
		335

Professional Schools

Medical School.....	117	
Dental School.....	74	
School of Pharmacy.....	9	
Law School.....	752	
		952

Total.....	3912	
Duplicates.....	30	
		3882

SUMMER SCHOOL 1919

Summer School, Arts and Sciences.....	461	
Summer School, Law.....	207	
		668

MEDICAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

An asterisk (*) before a name indicates student not in attendance through the year

FIRST YEAR

Bourstin, William	(N. Y.)	1006 M St. N. W.
Brown, Radford	(D. C.)	Apt. 4, The Ashley
Dean, Benjamin F. Jr.	(D. C.)	916 Mass. Ave.
Deep, Anthony Abraham	(D. C.)	800 9th St.
Earnest, John Paul, Jr.	(D. C.)	2123 N St.
French, Leslie Howson	(Pa.)	1320 Belmont St.
Harnsberger, Chas. WHITFIELD	(Va.)	(Whitfield, R. F. D. No. 1, Rosslyn, Va
*Henderson, I. Parnell	(Ga.)	7 Iowa Circle, Apt. 31
Hodgkins, Bradley D.	(D. C.)	1623 R St.
Hicks, Braxton	(Mich.)	1335 H St. N. W.
Horwitz, Alec	(D. C.)	916 4½ St. S. W.
*Martinez, Mercedes	(P. R.)	4518 Ga. Ave.
McClosky, William T.	(D. C.)	Apt. 5, 2205 Champlain St.
McChesney, Frank Marks	(D. C.)	129 Randolph Pl.
McGrath, Robert	(Ill.)	1339 H St. N. W.
Moody, Terrell, A. B.	(Ga.)	13 P St. N. E.
Matthews, Wm. Edward, Jr.	(Md.)	2017 H St.
Poster, Russell, H.	(Pa.)	419 N. Y. Ave.
*Preston, Williard F.	(Del.)	1335 H St.
Rechman, Benjamin	(N. Y.)	1410 Crittenden St.
Stuart, Majorie Shaw	(D. C.)	1315 12th St.
Skoretzky, Irving Daniel	(N. Y.)	306 M St.
Schwartz, Abraham T.	(D. C.)	1867 California St.
Wanlass, Stanley A., A. B.	(Utah)	3rd and E. Cap. St. Calu- met Apt.
*Wandalowski, Seraphim C.	(Pa.)	

SECOND YEAR

Cole, Hazen Eugene	(D. C.)	639 East Capitol St.
Cudney, Ethan B.	(Mich.)	2823 14th St.
Davis, Joshua William	(Pa.)	2032 F St. N. W.
Gaines, John Marshall	(Va.)	Alexandria, Va.
Gates, Herbert Stelwyn	(D. C.)	808 N. C. Ave. S. E.
Goldfain, Samuel	(Colo.)	1115 5th St. N. W.
Goldstein, Eli	(N. Y.)	306 M St. N. W.
Jacobs, Isidore Wm.	(N. Y.)	306 M St. N. W.
Jones, Robert Varnum	(Mich.)	2448 18th St.
Kain, Helen Gladys	(D. C.)	129 E St., N. W.

Loth, Mathilde	(N. Y.)	2123 18th St. N. W.
Peterson, Norman Vern	(Utah)	The Calumet, 3rd and East Cap. St.
Nordlinger, George	(D. C.)	3113 N St. N. W.
Reed, John Alton	(D. C.)	522 6th St. N. W.
Sager, Wm. Warren	(D. C.)	2823 14th St.
*Simonetti, Amalia Julia	(N. Y.)	101 N. Car. Ave. S. E.
Taylor, Robert Mitchell	(D. C.)	607 N. Car. Ave. S. E.
Weinstein, William	(N. Y.)	1320 L St. N. W.

THIRD YEAR

Alpert, Meyer Louis	(Conn.)	1118 13th St.
Beck, Richmond J.	(Wisconsin)	801 B St. S. E.
Bowen, Wilbur L.	(Va.)	1654 Hobart St.
*Bradley, Grover O., A. B.	(Utah)	1336 8th St.
Brooke, Deane F.	(N. D.)	3304 Holmead Pl.
Brenes, Alfred M.	(C. A.)	1115 Eye St.
Cadilla, Arturo	(P. R.)	919 Eye St.
Castro, Herman Rawson	(C. A.)	1115 Eye St.
Demopoulos, Christos J.	(Greece)	800 K St. N. W.
Dubrowsky, Jakov Leib	(S. C.)	1305 H St.
Dunsky, Frank	(N. Y.)	1118 13th St.
Eisinger, Walter Geo. Jr.	(D. C.)	3503 Wis. Ave.
Epstein, Nathan Joshua	(D. C.)	946 R. I. Ave.
Fischer, Aubrey David	(D. C.)	1744 Lanier Pl.
Franke, Frederick Arnold, B. S.	(Utah)	1242 Evart St. N. E.
Glenn, Joseph Burton	(D. C.)	1436 Meridian Pl.
Grozin, Maurice, A. B.	(Ohio)	1305 H St.
Gynn, Ray Frederick	(Va.)	1322 Vt. Ave.
Herzmark, Maurice H., A. B.	(D. C.)	1631 Newton St.
Hopkins, Ira Jay, A. B.	(Utah)	115 Second St. N. E.
Ibrahim, Abd El Malik	(Egypt)	1334 11th St.
Johnson, Regena Cook	(Md.)	1814 G St.
Jones, Waldo Hilman	(La.)	3625 10th St.
Khan, Mirza Mahmood, B. S.	(Persia)	
Machlan, Harold Foor	(D. C.)	Takoma Park, D. C.
Marchena, Ricardo, B. A.	(Costa Rica)	927 N. Y. Ave.
Masson, Clement Buchanan	(N. Y.)	1320 12th St.
Millan, Lyle Jordon	(Va.)	1320 12th St.
Ney, Thomas Joseph	(R. I.)	1223 13th St.
Renner, Morris J.	(N. Y.)	1118 13th St.
Robinson, Wilfred J.	(Conn.)	1220 12th St.
Sano, Kaninosuke	(Japan)	3503 Wisconsin Ave.
Scott, James M., B. S.	(Kansas)	221 1st St. S. E.

Schultz, Charles Hamilton	(Pa.)	1322 Vt. Ave.
Sesta, Joseph, Ph.G., Ph.C.	(N. Y.)	707 22nd St. N. W.
Slutsky, Benjamin Lloyd	(Conn.)	1209 K St.
Sonneland, Sidney Gaylord	(Neb.)	1322 Vt. Ave.
Strongin, Herman F., Ph.G., Ph. C.	(Conn.)	1736 G St.
Tibbets, Lyman Brooke, Ph.D	(D. C.)	1636 17th St.
Williamson, Frederick Yates, Phar. D.	(N. C.)	1335 Vt. Ave.

FOURTH YEAR

Baker, Wallace Bruce	(D. C.)	326 F St. N. E.
Beachley, Ralph Gregory	(Md.)	1335 Vt. Ave.
Bland, William Marshall	(Va.)	University Hospital
Bradley, Everett Lamont, A. B.	(D. C.)	Falkstone Cts.
Crespo, Jose Eusebio	(P. R.)	1115 I St.
Dazey, George Kendal	(Texas)	1322 Vt. Ave.
Duffie, Don Hastings	(D. C.)	Flower Ave., Takoma Pk.
Freeland, Fred Bernard	(Wash.)	1814 G St. N. W.
Goodman, Wm. Dennis	(Va.)	Emergency Hospital
Griffith, Harold Moore	(Pa.)	Garfield Memorial Hosp.
Hayes, Thomas Hirst	(Va.)	307 S. Lee St. Alex. Va.
Hollingsworth, Russell Kuhner	(D. C.)	1364 Girard St.
Hollander, Ben	(Cal.)	University Hospital
Howe, Julian Menzo	(D. C.)	47 Carroll St., Takoma Pk.
King, Charlton Roper	(Mass.)	1204 M St.
Klemme, Roland Metzler	(Ill.)	1116 R. I. Ave.
Li, Kang	(China)	2014 Kalorama Rd.
Litvak, Abraham Myer, Ph. G.	(N. Y.)	1335 Vt. Ave.
Mandelos, Nicholas A.	(Greece)	811 14th St.
McKenzie, John Ernest	(S. C.)	Wash. Asylum Hosp.
*Munoz, Roque Narcisus A.	(Honduras)	1115 I St. N. W.
Newcomer, Emmet Emerson	(Pa.)	Garfield Hosp.
Phillips, John William	(N. C.)	1335 Vt. Ave.
Pitt, William Franklin, A. B.	(N. C.)	3453 14th St.
Ramsey, Herbert Percy, A. B.	(D. C.)	813 Mass. Ave. N. E.
Scala, Norman Philip	(D. C.)	918 South C. Ave. S. E.
Stibbs, Henry Weston Barnum	(N. Y.)	University Hospital
Stultz, Alvin Dey, A. B.	(N. J.)	817 13th St.
Thompson, Thomas Carlton	(Pa.)	Emergency Hospital
William, Frank Louis	(D. C.)	308 Kenois Bldg.
Zerbe, Jack Bertolette	(Va.)	Garfield Hospital

DENTAL SCHOOL

CANDIDATES FOR THE DEGREE OF DOCTOR OF DENTAL SURGERY

FIRST YEAR CLASS

1919-20

*ARBEELY, THEODORE PAUL	D. C.	1439 U St. N. W.
BRASHEARS, WM. N.	Calif.	2006 F St. N. W.
BRICKNER, LOTTIE	N. Y.	1323 10th St. N. W.
BRENNAN, JOHN E.	Mass.	1017 K St. N. W.
BUTTS, CHARLES S.	D. C.	Bancroft Hotel
CHADWICK, SAM W.	D. C.	819 C St. S. W.
CORNELISON, ORPHA	D. C.	Apt. 1, 2633 Adams Mill Road
COX, JULIUS MURRAY	S. C.	940 N. Y. Ave.
DORTON, VIRGIL J.	Utah	Apt. 24, The Roland, 2d and Md. Ave. N. E.
GOLDSTEIN, JOSEPH	D. C.	917 4½ St. S. W.
HANCHETT, AMBROSE	Utah	113 Md. Ave. N. E.
HESTER, E. L. D.	N. J.	The Chastleton, 16th and R Sts. N. W.
HOROWITZ, MORRIS M.	D. C.	4129 9th St. N. W.
HUGULEY, HERBERT T.	Texas	George Washington Inn
HUSCHKA, LOUIS E.	N. Dak.	1012 10th St.
JOHANNESSEN, WILFORD N.	Idaho	647 Md. Ave. N. E.
KAPLAN, HARRY	D. C.	1461 Monroe St.
MOULTON, OVA L.	Ill.	1203 W. Main St., Morrison, Ill.
*MYERS, JOHN H.	D. C.	724 10th St.
ROSEN, JACOB	D. C.	138 V St. N. W.
*RHODES, OTIS WILES	Md.	418 12th St. N. W.
WASSERBERG, IRVING	N. Y.	1132 7th St. N. W.
YOUNG, GEORGE WASHINGTON	Pa.	1810 Calvert St. N. W.

SECOND YEAR

ARENDs, FREDERICK LOUIS	Mich.	1005 E St. N. E.
BARNHARD, JAMES L.	D. C.	1225 N. Y. Ave.
BLANK, SAMUEL H.	N. J.	504 Walnut St. Camden, N. J.
BONNETT, JOHN A.	Ohio	Huron, Ohio
CHASE, WM.	D. C.	710 14th St. N. W.
CHRISTOPHERSON, ALVIN R.	D. C.	Hotel Hamilton, 14th and K Sts.
DETWEILER, DANIEL L.	Va.	Herndon, Va.
FARIS, JAMES B.	D. C.	31 Bryant St. N. W.
GLEW, DON H.	D. C.	1008 Euclid St.
LEWIS, WM. E.	D. C.	1617 Irving St. N. E.
WOLF, MORRIS	D. C.	2333 Ashmead Place

THIRD YEAR

BURKE, WM. F.	Mass.	7 Clinton St., Amesbury, Mass.
BYER, NATHAN	N. J.	912 14th St. N. W.
COWLEY, WM.	Utah	123 N. W. Temple St., Salt Lake City, Utah
DOYLE, D. E.	Mass.	1209 K St. N. W.
GATES, THOMAS D.	D. C.	808 N. C. Ave. S. E.
GARCIA, F. G.	P. R.	42 Munoz Rivera St., Rio Pedras, Porto Rico
GRAY, MARION H.	D. C.	20 E. Braniard St., Pensacola, Fla.
HAMMOND, BENNET	Pa.	1845 Monroe St.
ISSERLIS, SIMON	Mass.	1209 K St. N. W.
JONES, CYRIL	N. Y.	1209 K St. N. W.
LONG, PHILIP	N. H.	2514 13th St.
LEIFER, EDWARD D.	N. Y.	1411 Harvard St.
LUBORE, JACOB	D. C.	1200 T St.
MOORE, WM. S.	N. Y.	1749 2d St. N. W.
NOTES, LOUIS	D. C.	302 M St. N. W.
ROLAND, DANIEL L.	Pa.	1433 Muhlenberry St., Reading, Pa.
SLIFKIN, LOUIS B.	N. J.	332 Franklin St., Bloomfield, N. J.
THEMPER, JOSEPH	Conn.	2413 2d St. N. E.
VOELKER, JOSEPH WM.	Va.	1541 8th St. N. W.

FOURTH YEAR

CHIGER, MARIAN	N. J.	40 N. Y. Ave.
COHEN, FRANK J.	Mass.	809 12th St.
CONE, NATHAN	N. J.	715 R. I. Ave.
FRANK, EARL BENNETT	R. I.	1224 Mass. Ave.
HOLSTEIN, DAVID	N. J.	1105 6th St. N. W.
JESKOWITZ, FRANCES R.	N. Y.	40 N. Y. Ave.
MARCUS, CALLIE KALMAN	N. J.	1105 6th St.
MARR, WM. W.	D. C.	1815 Vernon St.
OLINGER, MAURICE ROBERT	N. J.	715 R. I. Ave.
SILBERBERG, SAMUEL S.	N. J.	715 R. I. Ave.
SILBERBERG, MORRIS	N. J.	715 R. I. Ave.
SOLOW, LEO	N. Y.	715 R. I. Ave.
SWANSON, HENRY ALBERT	N. Dak.	1319 C St. N. E.
WEBER, LOUIS M.	N. J.	715 R. I. Ave.

*Not in attendance throughout year.

STUDENTS ENROLLED IN THE COLLEGE OF PHARMACY, 1910-20

LYNCH, MARCUS FILLMORE	D. C.	128 E Cap. St.
NICHOLSON, MARGARET M.	Va.	1000 Md. Ave. N. E.
NATHANSON, ESTHER	Russia	134 31st St., Newport News, Va.
PARKER, CLARENCE WALTER	D. C.	933 N St. N. W.
SUMMERS, CHARLES WINGATE	Va.	901½ Duke St., Alexandria, Va.
WILSON, DANIEL A.	Va.	1208 15th St. N. W.
WARFIELD, EDGAR ASHBY	Va.	119 Walnut St. Alexandria, Va.
WARFIELD, VERNON NORWOOD	Va.	220 S. Fairfax St., Alexandria, Va.
WARD, IDA CECILIA	Pa.	13 N. Washington St., Wilkes-Barre, Pa.

STUDENTS REGISTERED IN THE LAW SCHOOL

1919-1920

Names of students who have withdrawn or graduated are indicated by stars; those who have entered since February 2, 1920, by daggers.

Students who are college graduates are indicated by the degree, year in which it was received, and name of college conferring it.

Students who have had only part of a college course are indicated by the names of the colleges attended.

CANDIDATES FOR DEGREE OF BACHELOR OF LAWS

FIRST YEAR CLASS

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
ADAMS, LESLIE HAROLD George Washington University	D. C.	1637 Harvard Terrace
ALMIRANES, SILVERIO PASATIENYSO	P. I.	1635 L St. N. W.
ANDERSON, LIONEL GLENN	D. C.	732 21st St.
†ANDERTON, ROBERT HYDE B.S., 1916, Dartmouth College; C.E., 1917, Thayer School of Civil Engineering	R. I.	1769 Columbia Rd.
ANTHONY, JESSE	Ga.	1313 K St. N. W.
ARMSTRONG, JASPER HENDERSON	Tenn.	939 K St.
ASH, RAY A.B., 1918, West Virginia University	W. Va.	1903 H St. N. W.
†ATKINS, JULIA SPENCER	N. C.	1236 Columbia Road
ATWOOD, ELISE LINCOLN	Mass.	505 Randolph St.
†AUDAS, EDITH RUTH A.B., 1915, Syracuse University	N. Y.	3444 Mt. Pleasant St.
BAILEY, GEORGE RANEY A.B., 1918, University of Florida	Fla.	221 East Capitol St.
BALLANO, MARCUS M.	P. I.	912 19th St. N. W.
BANNISTER, DEVILLO ANDREW State University of Iowa	S. Dak.	1719 Corcoran St.
*BARGER, CORINNE	Va.	1841 16th St.
BARKMAN, WILLIAM E.	D. C.	218 8th St. S. E.
BARLOW, ALFRED M. Ohio University; Rio Grande College	Ohio	309 New Jersey Avenue S. E.
†BARLOW, HERBERT BOUTWELL	R. I.	U. S. Patent Office
*BARNARD, PHILIP ESSERY Exeter College, Oxford, England; The Inner Temple, London, England	D. C.	2024 N St.
*BAUER, EMMERICH HENRY	Md.	Rockville, Md.
BAUGHMAN, THOMAS FRANK George Washington University	D. C.	1330 Massachusetts Ave.
BEALL, DOROTHY JOYCE	D. C.	73 You St.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
BEALL, THOMAS EMMERT	D. C.	3607 Newark St.
BEHNE, JOE CARROL Oklahoma University	Okla.	Y. M. C. A.
†BEHNE, TOM DARL Oklahoma University	Okla.	Y. M. C. A.
†BELDEN, LILLIAN CATHARINE Ph. B., 1913, Hiram College	Ohio	1736 F St. N. W.
BENHAM, EDWARD VAUGHAN George Washington University; Catholic University of America	D. C.	U. S. Patent Office
BERG, CASPER ROBERT University of Wisconsin	Wis.	The Woodworth
BERRY, SYDNEY GRISWOLD Ch. E., 1916, Columbia University	N. J.	U. S. Patent Office
†BINGAMAN, CLARA MERRICK	Iowa	1647 Lamont St.
BLACK, SERANUS LEONARD	Okla.	1100 Vermont Avenue
BLACKBURN, FELIX EDWARD, JR.	Ala.	1530 K St. N. W.
BLADEN, ASHBY E. George Washington University	Va.	219 N. St. Asaph St. Alexandria, Va.
BLANKEN, DAVID George Washington University	D. C.	1408 6th St. N. W.
BOAT, MARION LOUIS	Iowa	1330 13th St. N. W.
BOSWORTH, EDWIN CARPENTER Ph. B., 1911, Brown University	Md.	1004 F St. N. W.
BOTELER, CHARLES M. George Washington University	D. C.	616 North Carolina Ave. S. E.
BRACHLOW, WILLARD HAYDEN	Minn.	Y. M. C. A.
BRAHAM, WILLIAM WALTER A. B., Westminster College	Pa.	34 Cedar St. Takoma Park
BRANDENBURG, MILLSON FRED'K	D. C.	Fendall Building
*BRAWNER, ELWIN IRVING George Washington University	Va.	6 Dupont Circle
†BROWN, VIRGINIA MAY Columbia Institute; Hollins College	Ala.	608 Mass. Avenue, N. E.
BURDICK, ROBERT CORTEZ A. B., Univ. of Chattanooga	Ala.	1751 P St. N. W.
BURNS, JAMES ALEXANDER	D. C.	217 13th St. S. E.
BURRIS, EVAN WEISINGER Southwestern University	Texas	George Washington Hotel
†BUSCH, HOWARD G.	Mo.	1725 Connecticut Ave., N. W.
BUSH, IDA LILLIAN	Ill.	36 W St. N. W.
BUTLER, AARON PRENTISS B. S., 1918, University of Vermont	Vt.	Y. M. C. A.
*BUTLER, JAMES ALVA	D. C.	207 C St. N. W.
BUTLER, MARION, JR. George Washington University	N. C.	1333 15th St. N. W.
*CALDWELL, MATTIE BELLE	Ala.	Apt. 41, The Cumberland
CALLAHAN, MILDRED RUBERTA A. B., 1919, George Washington University	Va.	213 South Fairfax St. Alexandria, Va.
†CANNING, HAROLD FRANCIS	Me.	1415 N St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†CANTRELL, TILMAN BETHEL University of Illinois	Ill.	1100 Vermont Avenue
†CAREY, ALFRED BRADLEY A. B., Delaware College	Del.	House Office Building
CARLOSS, HELEN R.	Miss.	1314 L St.
*CARLSON, KNUTE EMIL A. B., 1915, A. M., 1917, University of Nebraska; Ph. D., 1919, University of Pennsylvania	D. C.	611 B St. N. E.
CARNES, CAREY W.	Ohio	1805 Kenyon St.
CARRIG, ROBERT FRANCIS	Conn.	1336 Eye St.
CASEY, ROSELLA George Washington University	R. I.	1878 Phelps Place
†CHANDLER, CYRIL C.	Ga.	1736 G St. N. W.
*CHAPIN, CHARLES DOUGLAS Yale University	D. C.	1801 16th St.
CHEBITHES, VASILIOS ISADORE A. B., Centre College of Kentucky	Ky.	Y. M. C. A.
*CHESNEY, LEE ROY	Neb.	4440 Kansas Ave.
†CHURCHILL, VIRGINIA HARRISON	Mo.	R. 330, N-O Bldg., Government Hotels
†CLARK, MARION MAYBELLE	Conn	1314 11th St. N. W.
CLEVELAND, WASHINGTON IRVING University of Wisconsin	Md.	Kensington, Md.
CLOUGH, CECIL EDWARD Boston University; New Hampshire College	N. H.	Walter Reed Hospital
†COCHRAN, LEWIS MEANS B. S. South Carolina Military College	S. C.	15 S St. N. W.
†COE, CONWAY PEYTON A. B., Randolph Macon	Md.	Div. 11, U. S. Patent Office
COHEN, CHARLES ABRAHAM Dickinson College	N. J.	3031 11th St.
*COHN, HERMIONE W. A. B., 1918, University of Michigan	Ill.	R. 111, G-H Bldg., Government Hotels
*COLBERT, MARY ADELINE	Ind.	1024 Vermont Avenue
COLLINGS, KENNETH BROWN George Washington University	Va.	1200 18th St. N. W.
†COLLINS, ALVIN BRUCE	Va.	2028 North Capitol St.
CONE, NAOMI GREENE	Tex.	Apt. 7, The Carlton
CONWAY, MARCELL	D. C.	1510 R St. N. W.
†CONWELL, DONALD ELMER	Okla.	1811 3d St. N. E.
*COOKE, MARY REBECCA	Cal.	1401 Columbia Road
COOLEY, JAMES PASCHEL University of Virginia	Va.	8 Walnut St. Clarendon, Va
*COOMBS, WALTER EDWARD	Me.	2120 G St. N. W.
CORBITT, JESSE G. Alabama Polytechnic Institute	Ala.	1100 Vermont Avenue
CORNELL, RALPH G.	N. Y.	1227 11th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
COVINGTON, MARY SIMMONS	N. C.	A-B Bldg., Government Hotels
COX, JEROME ROCKHOLD A. B., Western Maryland College	Md.	1736 G St. N. W.
CRAMMOND, EARLE D. Colgate University	D. C.	714 21st St. N. W.
*CRANE, WILLED STEVEN B. S. in E. E., 1913, Carnegie Institute of Technology	Ill.	208 13th St. N. E.
*CROSS, JAMES GARLAND	Va.	Hotel Stratford
*DAGLEY, RUBY M. A. Transylvania College	Ky.	610 Randolph St. N. W.
DAILY, ALLAN FREDERICK	Utah	1427 21st St. N. W.
DAILY, JOHN RYAN Bradley Polytechnic Institute	Ill.	6703 Georgia Avenue, Takoma Park, D. C.
DANIS, RAYMOND SMITH	D. C.	30 9th St. S. E.
DAUGHERTY, DUNCAN WILMER	W. Va.	1422 11th St. N. W.
*DAVIS, JAMES HUGH University of Georgia	D. C.	3733 Jenifer St. N. W.
DAVIS, NATHANIEL PENISTONE A. B., 1916, Princeton University	D. C.	1769 Columbia Road
†DAY, SARA MILLIGAN Syracuse University	Pa.	1007 Douglas St. N. E.
DEE, JESSICA A. B., 1916, Wellesley College	Mass.	1712 17th St. N. W.
*DEFREES, RAYMOND GARFIELD George Washington University	D. C.	2425 North Capitol St.
DER BEDROSIAN, CHARLES	N. J.	419 Y. M. C. A.
*DETWILER, CHARLES PHILIP	D. C.	1858 California St.
DIAZ, BENITO DACANAY	P. I.	514 E St. N. W.
DIESERUD, HELGE CHRISTOPHER	D. C.	216 Maryland Avenue, N. E.
B. S. in M. E., 1918, University of Illinois		
*DIETZ, JOSEPH MARTIN Denver University; George Washington University	D. C.	4009 Marlboro Place, N. W.
*DIPPERY, ALMA GEORGIANA	Ala.	1763 P St. N. W.
DODD, ALICE MARY	N. Y.	3420 13th St. N. W.
DODD, ESTHER ELIZABETH	N. Y.	3420 13th St. N. W.
DODSON, FREDERICK WILLIAM B. S. in Chem., Massachusetts Institute of Technology	D. C.	1319 N St. N. W.
DOHERTY, EMMETT EDWARD	Mont.	1333 15th St.
DOLBY, BIRD HAGEN	D. C.	28 Seaton Place, N. W.
DOREMUS, ROBERT ELLSWORTH	Mich.	2802 Wisconsin Avenue
DOWELL, MARIE LOUISE A. B., 1919, Goucher College	D. C.	3026 Newark St.
*DOXTATER, JACOB HARRISON	Wis.	1741 G St. N. W.
DUFFY, GERALD EUGENE	Pa.	Beacon Apartments, Calvert Street
DUNCAN, JAMES REESE	Va.	2034 G St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
DUNKER, WILL FRANK	Iowa	1010 K St.
DWORKIN, MEYER	Conn.	609 H St.
EARLEY, MARGARET MARY University of Vermont	N. H.	2515 University Place
EATMAN, PHELAN WILLIAMS	La.	2140 N St. N. W.
†EDEN, FRED J.	Ill.	1446 Harvard St.
†EDEN, SIEVERDENA HARMEL	Ill.	1446 Harvard St.
EDWARDS, JOHN JAMES	Tenn.	2511 14th St. N. W.
EDWARDS, ROBERT YARRINGTON University of Illinois	Ill.	515 6th St. N. E.
ELLIOTT, ELMER ADLAI	Ark.	1422 11th St. N. W.
*EMERY, GUSTAV HAROLD Worcester Polytechnic Institute; George Washington University	D. C.	2232 Cathedral Avenue
ENGELHART, GEORGE KEMP	Ill.	1322 L St. N. W.
*ENGLEMAN, IRVING HOWARD	D. C.	2018 Eye St. N. W.
*ENNEN, MIRIAM VIRGINIA	Md.	Riverdale, Md.
ESPEY, HENRY CLAY	D. C.	51 Adams St. N. W.
ESPEY, HOWARD HAMILTON George Washington University	D. C.	2010 1st St. N. W.
*FISHBACK, CLIFFORD LINCOLN University of Pennsylvania	D. C.	1372 Kenyon St.
*FITCH, BURDETTE M. University of Kansas	D. C.	Land Office Building
FOGLE, CHARLES DENT	D. C.	1428 C St. N. E.
†FOOTE, ELSIE LANGWORTHY A. B., 1918, Middlebury College	Vt.	20th and S Sts. N. W.
FORBES, WILLIAM HENRY	Mass.	1416 K St. N. W.
FRANKLIN, NEAL DOW	Md.	734 15th St. N. W.
FRIEDMAN, SAMUEL AARON	N. Y.	1416 9th St. N. W.
FULLER, LORA COLE A. B., 1919, State University of Iowa	Ia.	1912 Irving St. N. E.
FURLOW, GEORGE WILLARD University of Michigan	Minn.	218 2d St. N. E.
GATCH, THOMAS LEIGH Grad., 1912, U. S. Naval Academy	Md.	Care of Judge Advocate General, Navy Department
GEDIMAN, HERBERT WILLIAM	Mass.	48 R St. N. E.
GIBSON, JONATHAN CATLETT	Va.	3317 N St. N. W.
GLASS, DAVID ROSE	Cal.	428½ M St. N. W.
GLASS, JOHN DUEL University of Kansas	D. C.	700 10th St. N. E.
*GOLEY, LAWRENCE L.	Ill.	23 8th St. S. E.
*GONDRA, MANUEL	Paraguay	2172 Wyoming Avenue, N. W.
GORMAN, LOIS GATES	Pa.	1807 California St.
GRAHAM, JACK EDWARD	Okla.	1300 Massachusetts Avenue
GRANTHAM, DANIEL L. University of Georgia	D. C.	R. 469, House Office Bldg.
GREENE, ADELBERT JAY A. B., University of Colorado	Nev.	1219 K St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
GREENE, ALDIE ROSS A. B., 1910, Albion College, Albion, Mich.	Mich.	Div. 32, U. S. Patent Office
GRONNA, ARTHUR JACKSON George Washington University	N. D.	2219 California St.
GRONVALL, WALTER ROY	Minn.	655 G St. N. E.
GUIHER, JAMES MORFORD University of West Virginia	Pa.	Walter Reed Hospital Takoma Park, D. C.
GUINThER, PAUL JACOB A. B., 1913, Albright College	Pa.	1489 Newton St.
HAGAMAN, FRANK LESLIE University of Kansas	Kans.	Walter Reed Hospital Takoma Park, D. C.
HALE, RALPH COCHRAN	Tenn.	125 6th St. N. E.
HAMRICK, MAYMIE HERBERT	W. Va.	509 11th St. N. W.
*HANCOCK, MYRTLE INA B. S., Columbia University	N. Y.	The Ethelhurst, 15th and L Streets
HARDY, FRANKLIN EARL Union College, Schenectady, N. Y.	N. Y.	1222 Irving St. N. W.
HARLAN, JOHN GRAYDON University of Pittsburgh	Pa.	647a G St. N. E.
HARRAH, EUGENE BENJAMIN University of Pennsylvania	D. C.	1653 Newton St.
HARRIS, WILLIAM DELAWARE A. B., Miami University	Ohio	Department of Justice
†HARTMAN, JOE	Ohio	Income Tax Dept.
†HARVEY, JACK DENNISON Rhode Island State College	Conn.	3303 O St. N. W.
*HATCHER, JAMES CHANDLER Birmingham College; George Washington University	Ala.	1907 G St. N. W.
HAWLEY, HARRY REGAN University of Idaho	Idaho	1100 Vermont Avenue
HAYS, LAWRENCE BROOKS A. B., 1919, University of Arkansas	Ark.	1744 Riggs Place, N. W.
HENSON, EDWARD NEWELL B. S., 1914, A. M., 1917, Mississippi College	Miss.	2131 F St.
*HERRMAN, JOHN THEODORE	Mich.	1842 Calvert St.
HILLIARD, BENJAMIN CLARK, Jr.	Colo.	1422 Massachusetts Avenue
State University of Iowa		
*HINCKLEY, HEBER GRANT	Utah	751 Fairmont St. N. W.
HINDS, EUGENE REED	S. Dak.	817 13th St. N. W.
HIXSON, WILLIAM ALPHONZO	D. C.	624 Irving St. N. W.
†HOADLEY, MAUD ELIZABETH	Ore.	Wardman Park Hotel
HOAG, GEORGE FORREST Polytechnic Institute of Brooklyn	N. Y.	The Portner, 15th and U Sts.
HODGE, DAVID MALCOM A. B. in Econ. Swarthmore College	Pa.	1916 16th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
HOLLIDAY, MARION ELIZABETH	Ill.	78 V St. N. W.
HONEYCUTT, WILLIAM ELISHA A. B., Wake Forest College	N. C.	112 3d St. N. E.
HONTS, EMORY R.	Okla.	Room 26, 1320 New York Avenue
HORTON, ELEANOR BESSIE Boston University	Me.	820 Whittier St.
HOSTETTLER, BINAS	Ind.	1216 9th St. N. W.
†HOUGHTON, GRACE ADAMS A. B. University of Wisconsin	Wis.	3351 18th St. N. W.
†HUCKABEE, HENRY GRADY George Washington University	Ala.	1832 Ingleside Terrace
HUFF, JESSE M. E., Ohio State University	D. C.	521 18th St. N. W.
†HUGHES, GEORGE ERNEST University of Texas	D. C.	129 3d St. N. E.
HUGHES, WILLIAM ARTHUR B. S., 1915, Union University	N. Y.	1460 Monroe St. N. W.
HUNDLEY, JAMES CURRY George Washington University	Cal.	326 11th St. N. E.
HUNT, WARREN HANSELL	D. C.	2305 18th St.
JACKSON, ALBERT LESLIE University of Texas	Tex.	1722 35th St.
JACKSON, ELMER J. Muhlenberg College	Pa.	1348 Irving St. N. W.
JENKINS, BEN	Ill.	424 Kenyon St. N. W.
JEPSON, MELVIN B. S., 1911, University of Nevada	Nev.	1381 Irving St. N. W.
*JOHNSON, CLAIR V. George Washington University	Iowa	1829 19th St. N. W.
JOHNSTON, DOROTHY BEARD	Cal.	1301 K St. N. W.
JONES, HOMER WILLIAM	Pa.	1006 M St. N. W.
KATZ, WILLIAM B. S., 1914, College of City of New York	N. Y.	511 L St. N. W.
*KELISKY, BESSIE BENDER George Washington University	Va.	1439 T St. N. W.
KELLY, CLARE REGINA	Vt.	2306 1st St. N. W.
KENNEDY, EDWIN RUSSELL, JR.	D. C.	1753 N St. N. W.
KEOGH, JOHN JOSEPH A. B., Manhattan College	N. Y.	The Brunswick
KETNER, HENRY ERNEST	N. C.	2140 N St. N. W.
KETNER, JAMES THOMAS	N. C.	2140 N St. N. W.
KILPATRICK, HOWARD CECIL Alabama Polytechnic Institute	Ala.	328 Senate Office Building
KIRBY, HOMER H. George Washington University	Ohio	1815 F St. N. W.
*KITSON, FORREST GARFIELD	Ohio	Apt. 62, The Plymouth
KLINE, VIRGIL CLAUDE B. S., in Education, 1917, University of Missouri	Va.	26 Harrison St., Cherrydale, Va.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
KNOCK, FRANKLIN George Washington University	D. C.	3423 14th St. N. W.
KNOWLTON, ALFRED SMITH University of Minnesota	Minn.	2035 Park Rd.
*KUDISH, SAMUEL	N. J.	2022 Portner Place
KUZMIAK, JOHN STEPHEN	Pa.	R. 415, Y. M. C. A.
LACY, OLIVE BEATRICE	N. J.	1347 Girard St. N. W.
LAFOLLETTE, GEORGIA E. University of California; Washington State College	Idaho	1203 Columbia Rd.
LAFOLLETTE, PHILIP FOX A. B., 1919, University of Wisconsin	Wis.	3320 16th St. N. W.
LAPPIN, MARY	D. C.	122 V St. N. W.
LARKIN, THOMAS DILLARD	Va.	Washington Navy Yard
LARSON, JOHN EMIL George Washington University	Me.	1758 S St. N. W.
LASSEN, EARLE CHARLES	D. C.	1017 K St. N. W.
LAUSEN, ARTHUR E.	Conn.	P. O. Box 1259
*LAW, ANNIE JOE Lander Tinsdale College, Greenwood, S. C.	Fla.	1354 Fairmont St. N. W.
†LEE, EDNAH MCKINLEY	D. C.	1309 Quincy St. N. W.
†LEGER, BENOIT LELAND B. E., 1911, University of Michigan	N. Y.	715 5th St. N. E.
LEVY, OSCAR ISAAC B. Sc., 1914, and M. Sc., 1916, University of Chicago	La.	U. S. Patent Office
L'HOMMEDIEU, SAMUEL	D. C.	1322 6th St. N. W.
LIDDELL, M. VONCILE University of Texas	Texas	The Alabama, 11th and M Sts.
LIPCHES, ESTHER	N. Y.	X-Y Building, Government Hotels
LITTELL, NELSON Purdue University; George Washington University	Ind.	3149 Mount Pleasant St.
LITTLETON, MARY VIRGINIA,	W. Va.	916 Eye St. S. E.
LITZELMAN, MARIE E.	Pa.	713 19th St. N. W.
LLOYD, WILLIAM KENYON U. S. Military Academy	D. C.	1336 Eye St. N. W.
LODGE, THOMAS ELLIS	Del.	Y. M. C. A.
*LOGAN, DANIEL N. George Washington University	D. C.	21 Bates St. N. W.
†LONGSTREET, WILLIAM CARL, JR. B. S. in Econ., 1919, University of Pennsylvania	N. J.	1653 Newton St. N. W.
LUCAL, IRA DAVID George Washington University	Ohio	1479 Monroe St.
LUCE, LLEWELLYN ATSETT Montana State College; University of Chicago	Mont.	215 2d St. S. E.
MARSHALL, CARL A.	D. C.	1213 N St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
MARSHALL, CLINTON LEE	Va.	918 Washington Loan & Trust Building
MARSHALL, ROBERT WALLACE	Ky.	1104 Vermont Avenue N. W.
MARTHINSON, DETLOW MAINCH George Washington University	D. C.	1842 Calvert St. N. W.
MARTIN, WALLACE HAROLD A. B., Indiana University	Ind.	508 19th St. N. W.
†MAXFIELD, EFFA	Mich.	1416 F St. N. E.
MCCARTHY, EDWARD, JR.	Va.	Cherrydale, Va.
MCCASLIN, WALTER WOOD	Va.	2501 Pennsylvania Avenue
MCCLAINE, CLIFFORD HALE	W. Va.	1628 Hobart St.
MCCOY, PHILBRICK	D. C.	The Wyoming Apartment
MCCULLOUGH, JOSEPH EAGLESON	Pa.	1107 P St. N. W.
MCCULLOUGH, WINNIE D.	Okla.	1800 New Hampshire Avenue
MCDARIS, VIVIEN LOIS Washington University	Miss.	2400 16th St. N. W.
MCDUGAL, JOHN LEWIS University of Missouri	Iowa	1202 O St. N. W.
McFALL, CATHERINE	Ind.	935 Westminster St. N. W.
McHENRY, JOHN GEISER, JR. George Washington University	Pa.	1104 Vermont Avenue
McINTOSH, SAMUEL WALLACE	D. C.	Apt. 32, 128 C St. N. E.
McKINLEY, LLOYD HENRY	W. Va.	214 2d St. N. E.
†McPHERSON, JOE FRANCIS George Washington University	Mo.	1746 K St. N. W.
McVAY, WILLIAM WALTER	Pa.	Walter Reed Hospital
MEADOW, HILDA Wesleyan College	Ga.	1322 L St. N. W.
*MEWER, WESLEY MILLIKEN Carnegie Institute of Technology	Me.	705 E St. N. E.
MILLER, ELVIE EARL	Texas	13 Randolph Place N. W.
MILLER, WARREN EDWARD George Washington University	Ind.	Y. M. C. A.
†MILLS, HELENA JANE N. Y. State College	N. Y.	R-S Bldg., Government Hotels
MITCHELL, WADE HAMPTON	D. C.	206 C St. N. W.
*MIXTER, PAUL LOUIS	Mich.	1842 Calvert St.
†MONK, JOHN HENRY Texas Christian University	Tex.	161 Kentucky Avenue
MONTGOMERY, ANNA CARROLL	D. C.	1743 Rhode Island Avenue
MORGAN, ROBERT ELMER A. B., Arkansas University	Okla.	1744 Riggs Place N. W.
MORRIS, JOHN G.	Ky.	232 Randolph St. N. E.
MOUNT, THOMAS FLIPPIN	Tenn.	U. S. Court of Claims
MYERS, LAWRENCE CRAMER	Mont.	1333 L St. N. W.
MYERS, ORIE EUGENE	Ga.	1116 9th St. N. W.
MYRES, EUSTIS	Texas	1328 Vermont Avenue
*NELMS, HENNING CUNNINGHAM George Washington University	D. C.	1121 12th St. N. W.
†NEVILLE, JAMES HARVEY A. B., Drury College	Mo.	113 4th St. N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*NEWELL, WILLIAM CLIFTON University of North Carolina	N. C.	2511 14th St. N. W.
NEWMAN, LAWRENCE GILBERT	D. C.	3617 New Hampshire Avenue N. W.
NICHOLS, ROSS MANNING	N. J.	1422 Massachusetts Avenue N. W.
NICKLES, JAMES PEARSON	S. C.	Washington Barracks, D. C.
NIELSEN, GEORGE LEONARD George Washington University	Utah	1333 15th St. N. W.
NOE, EDWARD TERRIS, JR. B. S. in E. E., 1914, University of Pennsylvania	Pa.	Div. 22, U. S. Patent Office
NUTT, ROLLAND LEE	Ill.	1018 Munsey Building
ODELL, ROBERT RUSSELL	S. Dak.	100 W St. N. W.
*O'HANLEY, JOHN SCHNEIDER	R. I.	1868 California St. N. W.
*OLMSTED, VICTOR CARLETON George Washington University	Va.	Clarendon, Va.
OSNES, OLAF WALTER	S. Dak.	2028 G St. N. W.
OVERSTREET, WALTER EVERETT	D. C.	R. 495, House Office Bldg.
PAGE, PROCTOR HULL	Vt.	311 Senate Office Building
†PALMEDA, LUIS JUAN	P. I.	1339 Shepherd St.
PAMINTUAN, PAZ	P. I.	3615 Newark St. N. W.
PARKER, WARREN H.	D. C.	1414 Girard St. N. W.
†PATTERSON, JOHN HOWELL, JR. A. B., 1919, Davidson College	Fla.	337 Senate Office Building
PAYNE, HORACE DURANT A. B., 1917, University of Missouri	Okla.	
PENROD, HERMAN GARFIELD	Ohio	1311 Fairmont St.
PERLIN, HARRY Georgetown University; George Washington University	N. Y.	2219 H St. N. W.
†PETERMAN, JAMES CUYLER	La.	1119 Euclid St. N. W.
PIEPGRASS, CHARLES SPURGEON University of Oklahoma	Okla.	1445 R St. N. W.
PLAGENS, HENRY JAY	Kans.	2611 Adams Mill Rd.
POLLITT, BASIL HUBBART A. B., 1917, University of Cincinnati	W. Va.	529 18th St. N. W.
PORTER, CHARLES W. De Pauw University; Ohio University	Ohio	1328 Fairmont St.
POTTER, MAURICE RAY	Ill.	23 8th St. S. E.
*POWELL, HELEN Pomona College	Cal.	1316 15th St. N. W.
RAINE, WENDELL PHILLIPS B. S. in E. E., 1907; M. A., 1911; University of Pennsylvania	Pa.	1731 S St. N. W.
RAUBER, MARGERET ELIZABETH	N. Y.	2122 Connecticut Avenue
REVELLE, DEAN McDARIS	Miss.	2400 16th St. N. W.
*REYNOLDS, JOHN BERNARD	Minn.	632 Y. M. C. A.
†RICHARDSON, PHYLLIS MARY A. B., 1918, University of Michigan	N. Y.	Apt. 51, The Victoria

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*RICHART, GENEVIEVE	Ill.	1712 Lanier Place, N. W.
*ROBERTS, RICHARD EDWARD, JR.	Pa.	2544 14th St. N. W.
ROBINSON, JOHN GREENE	Ky.	232 Randolph Place N. E.
†ROCHESTER, GEORGE WILLIAM University of Chicago	Ill.	1414 Mass. Avenue
ROCKOW, ARTHUR	Wis.	902 Westminster St.
†ROGERS, WILLIAM ADDISON, 2d Renssallaer Polytechnic Institute	D. C.	1756 Lamont St. N. W.
ROLLINS, JAMES FRANKLIN	Okla.	Y. M. C. A.
ROME, HYMAN PAUL	Md.	Bladensburg, Md.
ROSENBERGER, CHARLES RUPLEY	Md.	2420 14th St. N. W.
ROSS, WILLIAM WARFIELD	D. C.	1618 29th St. N. W.
RUDD, SPENCER TYLER	Minn.	R. 379, House Office Bldg.
†SALDANA, JUAN BAUTISTA	D. C.	The Dunsmere
SALL, NED EDWARD	D. C.	1447 R St. N. W.
SANDOE, NICHOL MAIN B. S., 1919, Dartmouth College	D. C.	235 12th St. N. E.
SARTWELL, FRANKLIN GADAGHER	D. C.	1022 Spring Rd. N. W.
SAUNDERS, RANDALL N. George Washington University	D. C.	1323 Columbia Rd.
*SCHNEIDER, JOHN THOMAS A. B., 1919, The University of the South	Tenn.	Care of G. H. Q., A. E. F., 7th and E Sts.
SCOTT, RALPH SINTHAL George Washington University	D. C.	1512 21st St. N. W.
*SEATON, ARTHUR J. The State University of Iowa	Iowa	2215 14th St. N. W.
SEE, ERNEST ALDINE George Washington University	W. Va.	1739 P St. N. W.
SEELEY, BROMLEY	D. C.	The Dresden
*SELBY, JOHN MAHLON	D. C.	R. F. D. 2, Bethesda, Md.
SHANHOLTZER, JAMES CLINTON	W. Va.	2030 G St. N. W.
†SHEA, MICHAEL FRANCIS A. B., 1915, Middlebury College	Conn.	1109 M St. N. W.
SHEFFIELD, EDGAR L. George Washington University	Idaho	1740 K St.
†SHETZEN, WILLIAM Maryland State College	N. Y.	908 L St. N. W.
*SHINNICK, HARRY ALLISON University of Virginia; Georgetown University; George Washington University Colgate University	D. C.	1252 31st St. N. W.
SHINNICK, HERBERT HANSERD George Washington University University of Liverpool	Va.	1252 31st St. N. W.
*SHOEMAKER, MARGERET AMELIA	Pa.	Y. W. C.. A. House, Silver Springs, Md.
SHUMAKER, FREDERIC ARTHUR	Kans.	Apt. 35, The Cumberland
SIMMONS, RUSH NELSON George Washington University	Minn.	1404 M St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
SIMMONS, VERNE PHIL	Mo.	1829 19th St. N. W.
*SIMPKINS, DOROTHY KATHLEEN University of Nebraska	Nebr.	1760 Euclid St. N. W.
*SIMPSON, JESSE NOBLE George Washington University	D. C.	1825 Kalorama Rd. N. W.
*SIRE, SIGURD	Minn.	215 Indiana Avenue N. W.
†SLINGLAND, EARL JAMES Maryland State College	N. J.	937 Massachusetts Avenue
*SMITH, MARGARET MAY George Washington University	Md.	Riverdale, Md.
*SMITH, O. THAXTER	D. C.	431 Munsey Building
SMITH, TALMA L. George Washington University	Tex.	232 House Office Bldg.
SNEED, ERNEST CECIL	Tenn.	1913 14th St. N. W.
SNOW, CHESTER AMMEN, JR. University of Pennsylvania	Md.	710 8th St. N. W.
SNYDER, ROSS H.	Ill.	2119 Pennsylvania Avenue
SOMMERKAMP, FRANK MARCRUM, JR. University of Georgia	D. C.	602 A St. S. E.
SOMMERS, GOODLOE GOOCH	Va.	Office of Collector of Taxes, D. C.
SPEARS, CLEO CALVIN	Ohio	1360 Meridian St.
*SPENCER, CLAUD EDWARD University of South Carolina	S. C.	1319 Massachusetts Avenue
SPORKIN, M. WALTON, JR.	Pa.	1447 R St. N. W.
*SPRINGMANN, REGINA	D. C.	720 6th St. S. W.
STANLEY, CHILTON FISKE A. B., Earlham College	Ind.	1226 13th St.
STANTON, OSCAR DAVID A. B., Denver University; B. S., Colorado Agricultural College	D. C.	3310 Ross Place, N. W.
STEARNS, ORLO FOSTER George Washington University	Md.	Mt. Ranier, Md.
*STEBBINS, CHARLES ROWLAND Milton University	Md.	Apt. 158, The Cordova
STEELY, MAYE	Ala.	1224 13th St. N. W.
†STENDALL, OSCAR MORGAN	N. Dak.	144 A St. N. E.
STEPHENSON, FRANK TILGHMAN	Tex.	Hyattsville, Md
STEVENS, EUGENE ENSIGN, JR.	Md.	622 F St. N. W.
†STEWART, CHARLES BREKLEY, JR. University of Utah	Utah	100 4th St. N. E.
†STEWART, ELAM LAFAYETTE Monmouth College; Valparaiso University	Ill.	2650 Wisconsin Avenue
*STEWART, MARY MABEL George Washington University	D. C.	127 3d St. N. E.
STICKNEY, HARRY	D. C.	1443 Chapin St.
STOKES, WALTER RAYMOND	D. C.	508 Wardman Courts
STOLTZ, AUTHWIN	Ill.	1429 C St. N. E.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
STONE, CHARLES IRVING	N. Y.	1422 Massachusetts Avenue
SULLIVAN, JULIA PATRICIA	Md.	R. R. 2, Bethesda, Md.
SULLIVAN, STUART ARTHUR,	Mont.	637 E St. N. E.
†SUMMERALL, LEONIDAS FRANKLIN	Ga.	R. 427, Y. M. C. A.
SUMMERS, PAUL DILWYN	Wash.	1316 Euclid St. N. W.
SYMONS, NOEL SPEER	D. C.	1606 New Hampshire Avenue N. W.
†TAYLOR, BELOIT	Ark.	2511 14th St. N. W.
Southern Methodist University; University of Arkansas		
*TAYLOR, HENRY PORTERFIELD	Va.	Walter Reed Hospital
B. A., 1913; M. A., 1914; University of Virginia		
TAYLOR, JAMES HARVEY	Cal.	Office J. A. G., Navy Department
Grad., U. S. Naval Academy		
TEFFT, LIONEL V.	Ill.	1332 V St. N. W.
Dartmouth College; University of Chicago		
TEIBER, EDWARD ALVIS	Mo.	802 F St. N. E.
THOMAS, HENRY PHINEAS	Va.	1404 11th St. N. W.
University of Virginia		
TOMPSON, FRANK MARION, JR.	N. C.	947 Massachusetts Avenue
THOMPSON, GLENN M.	Ind.	932 North Carolina Avenue, S. E.
*THOMPSON, JESSIE LOUISE	Ill.	Apt. 502, Wardman Courts
THURMAN, ALLEN GROVER	Utah	382 House Office Bldg.
A. B., University of Utah		
TILGHMAN, SARAH AUGUSTA	Md.	1737 T St. N. W.
A. B., 1917, Goucher College		
TINNERMAN, CLIFFORD LOWELL	Ohio	108 3d St. N. E.
Ohio State University		
*TOLKINS, ABRAHAM MILTON	D. C.	2115 1st St. N. W.
*TOUHEY, MATTHEW PATRICK	Wis.	1741 Columbia Rd.
TOWERS, FREDERIC NEWTON	D. C.	1882 Columbia Rd.
TOWNSEND, IRVING UPSON, JR.	Mass.	1331 Belmont St.
A. B., 1915, Harvard University		
TRON, ROBERT A.	D. C.	2909 P St. N. W.
*TROUT, GEORGE ALEXANDER	Colo.	
A. B., 1915, University of Denver		
TURNER, BOLON BAILEY	Ark.	1744 Riggs Place N. W.
University of Arkansas		
*TYLER, EDWARD SCOTT	D. C.	2000 H St. N. W.
University of Virginia; George Washington University		
†UDALL, DON TAYLOR	Ariz.	Box 417, Y. M. C. A.
†URSUA, FRANCISCO ANTONIO	Colo.	2130 O St.
VAN VEGHTEN, THEODORE		
SHAFFER	N. Y.	1222 Pennsylvania Avenue
WAINWRIGHT, CHARLES EDWARD	Va.	Vienna, Va.
Bucknell University; Columbia University		
WALLER, RAYMOND MINOR	Va.	1404 14th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
FRENCH, WILLIAM THOMAS George Washington University	D. C.	Clarendon, Va.
GAYLE, CATHERINE JARVIS	Va.	Fort Myer Heights, Va.
GEIGER, OLIVE EVALYN Maryland College for Women	D. C.	2851 29th St.
GEIST, ROBERT LOUIS C. E., 1917, Rensselaer Polytechnic Institute	Conn.	515 Kenyon St.
GILLIS, HARRY A. A. B., 1914, Monmouth College	Iowa	Bureau of War Risk Insurance
GLASS, ROBERT LEWIS B. S., in E. E., 1913, Pittsburgh University	Pa.	4102 5th St. N. W.
HANSON, EDWARD J. George Washington University	N. C.	1333 15th St. N. W.
HARRIS, BRANTLEY C. A. B., 1917, Rice Institute	Texas	105 House Office Building
HAZEN, JOSEPH HARRINGTON George Washington University	N. Y.	1352 Kenyon St. N. W.
HECHMER, MARIE ANTOINETTE DOLORES	W. Va.	1606 K St. N. W.
HEITMULLER, RALPH EMMERT George Washington University	D. C.	1307 14th St. N. W.
*HENDON, CLAUDE	D. C.	1843 Calvert St.
HIGGINS, DANIEL ERNEST University of Maine	Me.	2133 F Street
HOFFMAN, JOHN EDWARD	Pa.	1712 15th Street
HOHENSTEIN, ARTHUR EDWIN George Washington University	Ill.	505 4th St.
HOLT, EVERETT GUY A. B., 1915, Colby College	Me.	715 19th St.
HOWING, HELEN PAULINE University of Missouri	Mo.	2523 14th St.
HUTT, JAMES BROOKE U. S. Naval Academy	Va.	1476 Newton St.
*JACOBSEN, GROVER CLEVELAND A. B., Iowa University	Ia.	1833 S St.
JAVIER, EMILIO CONZ	P. I.	106 Eye St.
JOHNSON, HERBERT CARL	Minn.	1100 Vermont Avenue
JOHNSON, WILLIAM MONROE	Md.	1843 Calvert St.
KEEFER, ARTHUR CHARLES	Md.	College Park, Md.
*KELLY, EDWARD, JR.	Mass.	79 R St. N. W.
LACY, SAMUEL WINSTON	Va.	P. O. Box 675, 11th St. Sta.
LAFLUR, JOHN RALPH B. S., 1915, Colby College	Me.	1321 Rhode Island Avenue
LAMB, ALBERT THOMAS	Kans.	1225 L St. N. W.
LANE, MUNSON HARMON B. S., 1918, Princeton University	Va.	R. 249, Patent Office
LEBRUN, ISABELLE SCHIER	Minn.	1854 Ontario Place N. W.
LEHMAN, ROLAND JULIUS George Washington University	Ill.	1404 Harvard St.
LEWIS, EDWARD DENCH B. S., 1918, Syracuse University	N. Y.	1925 K St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
LIVINGSTON, WALTER KcKENZIE University of South Dakota	S. D.	1343 Harvard St.
LYON, WILLIAM CAMPBELL Carnegie Institution of Technology	Pa.	2511 14th St. N. W.
MARSHALL, EDITH L.	Ill.	Apt. 3, 1926 M St. N. W
†MATHER, THOMAS METLER State University of Iowa	S. D.	1430 Rhode Island Avenue
MATHIAS, FLOYD BRANSON	W. Va.	Mt. Rainier, Md.
†McCLEAN, CYRIL WESLEY A. B., University of California	Cal.	Department of Justice
McCOY, WHITLEY PETERSON A. B., 1916, Dartmouth College	W. Va.	3421 34th St. N. W.
McDERMOTT, FRANKLIN PIERCE, JR. A. B., 1902, A. M., 1903, E. E., 1905, Princeton University	N. J.	1814 Park Rd. N. W.
McGUIRE, OLLIE ROSCOE A. B., 1917, Louisiana State University	La.	Cherrydale, Va.
MICHELSON, BERNARDETTE SERENA	Md.	908 Webster St. N. W.
MILLER, JESSE CLINTON	N. D.	203 9th St. S. W.
MORFORD, JAMES RICHARD	Del.	21 Eye St. N. E.
*MORSE, RALPH LYTER	D. C.	3426 16th St. N. W.
MOTLOW, GEORGE THOMPSON	Tenn.	909 13th St. N. W.
O'BRIEN, JAMES JOHN	N. Y.	Gladstone Apartment
O'LEARY, JOHN FRANCIS	Wis.	702 19th St. N. W.
OLIVER, FRED NASH University of Texas	Tex.	Walter Reed Hospital
PADEN, JACK	Okla.	1810 Calvert St. N. W.
PARK, FRANCES E. Ph. B., 1910, Syracuse University	N. Y.	1812 Ontario Place N. W.
PARSONS, MAUD ANNA	Ill.	102 L-M Building, Govt. Hotel
PEARLOVE, EDWARD JOSEPH	Minn.	1926 17th St. N. W.
PHILLIPS, JOHN BARTON George Washington University	Va.	216 S. Fairfax St. Alexandria, Va.
PIERCE, CLIFFORD DAVIS George Washington University	Tenn.	2511 14th St. N. W.
PIXLEY, REX ARTHUR	Mich.	Y. M. C. A.
POOL, HARRY R. University of Minnesota	Minn.	1 Dupont Circle
PORGES, MORTIMER	Ill.	1447 R St. N. W.
RAPPAPORT, HARRY George Washington University	N. Y.	1926 New Hampshire Avenue
REYNOLDS, MARVIN JACOB C. E., 1917, Rensselaer Polytechnic Institute	N. Y.	1842 Calvert St.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
RIDER, WAKEMAN A. B., 1904, Colgate University	N. Y.	Commercial National Bank Bldg.
RIGGLES, JOSEPH RICHARD, JR. George Washington University	D. C.	1328 Fairmont St.
RING, FRED A George Washington University	D. C.	1215 Harvard St.
ROBERTS, SAMUEL JUDSON	D. C.	1805 Kenyon St.
ROBERTSON, RICHARD A. B., St. Olaf College	Wis.	1314 Mass. Avenue
ROGERS, VICTOR JENKINS	Kans.	150 O St. N. E.
ROSEN LUND, ARTHUR JHALMER	Minn.	1810 Calvert St.
*RUST, HARRY LEE, JR. Lehigh University	D. C.	912 15th St. N. W.
SAULSBURY, WILLIAM A. B., 1887, Harvard University	Del.	Somerset House, 16th and S Sts.
SHEPPARD, NORMAN BISHOP A. B., Yale University	Conn.	Apt. 51, The New Berne
SIMPICH, BRIGGS GEORGE University of Washington	Wash.	1422 Massachusetts Avenue N. W.
SOKOLOV, HARRY ELIOT	D. C.	32 Q St. N. W.
SPANIER, DAVID HOWARD University of Minnesota	Minn.	1447 R St. N. W.
STAYTON, WILLIAM HENRY, JR. Harvard University	N. Y.	Hotel Portland
STECHER, KARL A. B., 1918, George Washington University	Kans.	1736 G St. N. W.
STERLING, RALPH J.	Ohio	1739 P St.
STONE, HENRY ULEN	Mo.	1311 24th St. N. W.
†SUCHER, RALPH GUNN Bradley Polytechnic Institute	Ill.	3320 16th St. N. W.
TABLER, OTIS FRANCIS Richmond College	Va.	1100 Fairmont Avenue
TAGGART, ETTA LOUISE	D. C.	1758 Park Rd.
THOMAS, ROBERT A. B., 1915, Richmond College	Va.	Braddock Heights, Alexandria, Va.
†TIERNEY, JAMES PAUL West Virginia University	W. Va.	1208 M St. N. W.
*TOBIAS, BENJAMIN	Md.	1228 Massachusetts Avenue
UEHREN, ROBERT MONAT	Wis.	1343 Harvard St.
UNDERWOOD, EUGENE, JR. A. B., 1919, George Washington University	D. C.	707 20th St. N. W.
WATKINS, JOHN DAVID	Miss.	217 Senate Office Building
WEGENER, EMMA ALMA	Wis.	1344 Meridian St. N. W.
WILLIAMS, VIRGINIUS FAISON A. B., 1917, University of North Carolina	N. C.	1420 Rhode Island Avenue

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
WILLIAMSON, ERNEST R.	Ore.	1723 G St. N. W.
WILLIS, WARREN JENNISON Graduate, 1912, U.S. Naval Academy; A. B., 1918, George Washington University	Minn.	U. S. Patent Office
WILSON, JOHN JOHNSTON	Md.	1320 Farragut St. N. W.
WOODSON, FRED LEE	Mo.	1759 Columbia Rd.
WRIGHT, HAROLD PAGE	R. I.	Clerk's Document Room, House Office Building
WUNDERLICH, LUCILE MARIE	Ky.	228 2d St. N. E.
YOUNG, LESLIE BERNARD A. B., 1913, Cornell University	N. Y.	1810 Calvert St.
†ZILLMAN, BEN VICTOR B. S. in M. E., 1916, Washington University	Mo.	U. S. Patent Office

THIRD YEAR CLASS

ALBERTSWORTH, EDWIN FRANKLIN A. B., 1915, A. M., 1916, Ph. D., 1918, George Washington University	Md.	130 Carroll Avenue, Takoma Park, Md.
ALVORD, ELLSWORTH CHAPMAN A. B., 1917, University of Wisconsin	Wis.	1315 Shepherd St. N. W.
*BANK, ADOLF T. University of North Dakota	Minn.	Supply & Accounts, Navy Dept.
BARBOUR, HARRIET M. George Washington University	Ore.	3213 13th St. N. W.
BARNHART, ALVIN JOHNSON	W. Va.	1541 8th St. N. W.
BELL, CHARLES ROWAN	Ky.	1021 11th St. N. W.
BLACK, OWEN	Okla.	1100 Vermont Avenue
BLOEM, JOHN HARRY	Mich.	Federal Trade Commission
BOYER, EUGENE FRANCIS Ph. B., 1917, Yale University	Conn.	1421 Eye St. N. W.
BRODY, ARTHUR CHESTER	N. Y.	
BROWN, WALTER LEE	Ark.	General Land Office
BRYANT, JOSEPH MORTIMER	Utah	1219 Shepherd St. N. W.
BUSH, CLARENCE EDGAR	D. C.	1812 Park Rd.
CANFIELD, RAYMOND BISHOP Ph. B., 1910, Yale University	D. C.	1019 Washington Loan & Trust Building
CARTER, FERDINAND ESPEY	Md.	Taylor St. Chevy Chase, Md.
CARTER, GEORGE HENRY Ph.B., 1898, State University of Iowa L. L. B., Feb. 1920, George Washington University	Iowa	1661 Hobart St.
CLARKE, CALVIN	Ky.	2702 12th St. N. E.
COLLINS, ELMER BRIGGS	Ala.	Interstate Commerce Commission

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
CONNELL, LETCHER BENJAMIN	Tenn.	
CORBIN, ELMER L.	Ill.	1011 Monroe St.
CORNELL, HERBERT WATSON A. B., 1908, University of Colorado	Colo.	5419 Illinois Ave.
CORPUS, ELIADORO PALACIO University of the Philippines	P. I.	906 12th St. N. W.
CURRY, JOSEPH CLIFFORD University of Chattanooga	Tenn.	Box 603, Y. M. C. A.
DOWELL, CASSIUS McCLELLAN	Ill.	1738 Lanier Place
EDDY, GRACE MARIE George Washington University	Wis.	1424 R St. N. W.
*EDWARDS, BASIL DUKE U. S. Military Academy	Ky.	R. 393, S. W. & N. Bldg.
*FRAVEL, ROBERT HIRAM A. M., 1906, Randolph-Macon College	Va.	1615 Swann St. N. W.
FRAY, JOHN AARON A. B., 1909, Missouri Valley College L. L. B., Oct. 1919, George Washington University	Cal.	Wardman Park Hotel
FREY, CHARLES MILLARD A. B., University of Nebraska	Neb.	Y. M. C. A.
FRIEDLAND, KARL BENJAMIN	Utah	
FULLER, C. T. BURTON A. B., 1915, Central University of Iowa	Iowa	4317 Iowa Ave. N. W.
FULLER, WILEY MADISON University of Texas	Tex.	49 T St. N. W.
FURLOW, ALLEN JOHN	Minn.	1821 Jefferson Place
GOLDBERG, HARRY SAMUEL	Conn.	459 M St. N. W.
GRAVES, JOHN TEMPLE, JR. Litt. B., 1915, Princeton University	D. C.	University Club
GREGG, LEWIS JUDSON	Mich.	26 14th St. N. E.
HAMMOND, JAMES MORRIS Stanford University; University of California	Nev.	1219 Eye St.
HECKMAN, WILLIAM JACOB	Iowa	1339 Vermont Avenue N. W.
HENRY, CONDOR CAYWOOD A. B., 1915, George Washington University	Tenn.	907 L St. N. E.
*HOLMAN, JAMES BRADLEY	D. C.	1223 K St. N. W.
HOLMGREN, SAMUEL THEODORE	N. H.	R. 605, Y. M. C. A.
HURD, CATO BURDGE	Ind.	1101 Euclid St. N. W.
JACOBSON, EDWARD ANTON A. B., 1915, Gustavus Adolphus College	Minn.	Y. M. C. A.
JAMES, MAXWELL B. S., 1913, College of the City of New York	N. Y.	1020 Fairmont St.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*JOHNS, HYLAND RIGHTER B. S. in E. E., 1913, University of Pennsylvania	Pa.	1450 Harvard St.
*KENNEDY, JAMES ARTHUR Richmond College	S. C.	300 Southern Building
KILMARTIN, ROBERT CHARLES, JR.	D. C.	1489 Newton St.
KIMBEL, JOSEPH WESLEY	Pa.	721 Taylor St. N. W.
LANDERS, NORMAN LINCOLN A. B., Lenox College, Hopkinson, Iowa	Iowa	Northbrook Courts, 16th and Newton Sts.
LAVERY, THOMAS CLAFFEY Valparaiso University	Mo.	1906 N St. N. W.
LEHNER, OTTO PHILIP	Wis.	917 18th St.
LEHR, MILTON ANTHONY	Ohio	5617 Colorado Avenue
LEVINSON, CHARLES WILLIAM A. B., 1915, Johns Hopkins University	Md.	623 M St.
LOGGINS, JAMES ELWYN	Tenn.	
MANNING, ELLIS WOOSTER	Okla.	1826 17th St.
MANNING, LUCY RAINS	Okla.	1826 17th St.
MARKHUS, ANDREW A. B., University of Idaho	Idaho	508 19th St.
*MAYERS, LEWIS Ph. D., 1914, Columbia University; A. B., 1910, College of City of New York; A. M., 1912, University of Wisconsin	N. Y.	818 Connecticut Avenue
MESEKE, FRANK BENNETT Ph. B., 1912, University of Chicago	Ind.	729 North Capitol St.
*MILLER, HENRY	Ky.	Federal Trade Commission
MORGAN, LINTON	Ariz.	2106 F St. N. W.
*MOZINGO, HARLEY I.	Colo.	1739 P St. N. W.
MURPHY, ROBERT DANIEL Marquette University	Wis.	1344 Vermont Avenue N. W.
MURRELL, HUGH LOFTUS	Tenn.	1725 17th St. N. W.
NELSON, LeROY WALTER	Nebr.	530 20th St. N. W.
NOBLE, LEW MAURICE A. B., 1916, Bowdoin College	Me.	1422 Massachusetts Avenue
O'BRIEN, PATRICK LAMBERT	Idaho	1100 Vermont Avenue
PABST, BERTHA ELIZABETH Adelphi College	N. Y.	4622 15th St. N. W.
PALTRIDGE, GEORGE HENRY A. B., 1918, George Washington University L. L. B., Feb. 1920, George Washington University	D. C.	1222 O St. N. W.
PARIS, ISRAEL S. B., 1914, Massachusetts Institute of Technology	Mass.	U. S. Patent Office
PATRICK, JOHN HEZZIE A. B. & B. S. in Ed., 1912, University of Missouri	Mo.	1323 10th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
PETER, ROBERT George Washington University	Md.	Rockville, Md.
PORTER, HERBERT HENDERSON Massachusetts Institute of Technology	Va.	Clarendon, Va.
RANDALL, CARLTON MORRELL	Pa.	Y. M. C. A.
RAYMOND, MARY JANE	D. C.	1224 Euclid St. N. W.
REGES, MAXIMILIAN F. George Washington University	N. J.	R. 308, Patent Office
RICHARDSON, HENRY JEFFERSON	Ark.	1427 Chapin St.
RYAN, MARK JOSEPH	N. Y.	1431 L St. N. W.
SCHWERTNER, FRITZ	D. C.	326 C St. S. W.
†SHALLNA, ANTHONY OSWALD A. B., Cornell University	Pa.	Department of Justice
SHAPPIRO, SOLOMON B. Ch., 1915, University of Michigan	D. C.	U. S. Patent Office
SHEA, JAMES PATRICK A. B., 1915, Georgetown College	D. C.	1161 Neal St. N. E.
*SHORB, PAUL EDGAR A. B., 1917, University of North Dakota	N. D.	Y. M. C. A.
STAFFORD, HAROLD EMERSON	Wis.	Treasury Department
STANLEY, ABE WALLINGFORD University of Missouri	Mo.	Y. M. C. A.
STEELE, FRANCIS WILLARD University of West Virginia	W. Va.	Bureau of War Risk In- surance
STRONG, GEORGE EUGENE Ph. B., 1917, University of Chicago; A. B., 1919, University of Kansas	Kans.	R. 189, House Office Building
*TOMLINSON, JOHN PRIDE A. B., 1914, University of the South	Tenn.	205 Wardman Courts, West
TOWNSEND, JOHN WILLIAM Southwestern Presbyterian University	Fla.	1829 19th St. N. W.
TURP, JAMES SOWDEN	N. J.	608 22d St. N. W.
VAN METER, ARTHUR A. B., 1913, Ohio State University	Ohio	5210 Illinois Avenue N. W.
VAN MOSS, BERT	Okla.	2406 14th St. N. W.
WATERS, DANIEL JAMES	D. C.	1800 K St. N. W.
WRIGHT, LEWIS A. Lehigh University	D. C.	517 Cedar St. Takoma Park, D. C.

CANDIDATES FOR DEGREE OF MASTER OF LAWS

ALEXANDER, WALTER RICHARDSON LL. B., 1917, George Washington University	Mo.	1313 R. I. Avenue N. W.
--	-----	-------------------------

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
BIRMINGHAM, JOHN THOMAS LL. B., 1918, George Washington University	Conn.	1100 Vermont Avenue
BREMER, EDWARD GEORGE LL. B., 1919, George Washington University	Minn.	
*BROOKS, GERALD W. LL. B., 1916, University of Buffalo	N. Y.	309 B St. N. E.
†BURROWS, TREMAINE KELLOGG A. B., 1897, University of Nebraska; L. L. B., 1917, George Washington University	N. Y.	6902 15th St. Takoma Park, D. C.
CARTER, GEORGE HENRY Ph. B., 1898, State University of Iowa; L. L. B., Feb. 1920, George Washington University	Iowa	1661 Hobart St.
*DENIT, LOUIS MALVERN LL. B., 1918, George Washington University	D. C.	204 10th St. N. E.
FAST, ARTHUR HERMAN A. B., 1909, Baker University; LL. B., 1912, University of Kansas	Kans.	1229 12th St.
†FLICKINGER, SAMUEL JOHN LL. B., 1918, George Washington University	N. J.	2511 14th St. N. W.
FOOKS, HERBERT CLARENCE A. B., 1906, St. Johns College; LL. B., 1916, University of Idaho	D. C.	2006 R St.
*HARDEN, FRED GEER A. B., 1907, A. M., 1908, University of Nebraska; LL. B., 1919, George Washington University	Nebr.	1468 Harvard St. N. W.
MILLER, CLARENCE ALTHA LL. B., 1919, George Washington University	Pa.	Apt. 3, The Hirmhurst
MILLER, HENRY LL. B., Feb., 1920, George Washington University	Ky.	Federal Trade Commission
†MORROW, HENRY BASCOM, JR. LL. B., 1917, George Washington University	Tenn.	2511 14th St.
PALTRIDGE, GEORGE HENRY A. B., 1918, George Washington University; LL. B., Feb., 1920, George Washington University	D. C.	1222 O St. N. W.
†PARMELEE, WILLIAM HORACE LL. B., 1918, George Washington University	Pa.	2511 14th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*ST. CLAIR, ALBERT THURSTON A. B., 1917, George Washington University; LL. B., 1919, George Washington University	D. C.	1401 Columbia Rd.
SHORB, PAUL EDGAR A. B., 1917, University of North Dakota, LL. B., Feb., 1920, George Washington University	D. C.	Y. M. C. A.
SMITH, FRANK BROWN LL. B., 1914, George Washington University	Md.	911 Massachusetts Avenue
*STONE, CLIFFORD FONTAINE LL. B., Feb., 1919, George Washington University	Wis.	1828 G St. N. W.
STOVALL, BATES MITCHELL LL. B., 1917, George Washington University	D. C.	The Cecil Apartment
*STUKES, TAYLOR HUDNALL A. B., 1915, Washington and Lee University; LL. B., 1919, George Washington University	S. C.	221 East Capitol St.
VELOSO, JUAN AVILA LL. B., 1919, University of Florida	P. I.	Central Y. M. C. A.
*WEDVIG, PETER University of California; LL. B., Hastings College of Law	D. C.	2006 F St. N. W.
WILLKIE, ROBERT TRISCH A. B., 1909; LL. B., 1911, Indiana University	Ind	2129 G St. N. W.
†WOOD, RICHARD FRANCIS C. E., 1915, Lehigh University; LL. B., 1919, George Washington University	D. C.	3301 Highland Place

SPECIAL STUDENTS

†ADAMS, FRANKLIN LAUNCELOT A. B., 1900, Boston University; A. M., 1908, Dartmouth College	P. R.	1214 Michigan Avenue N. E.
*ALLEN, CHARLES RISDON	D. C.	1912 1st St. N. W.
*BANNON, PAULINE	Md.	Shoreham Hotel
BLED SOE, HARRISON WARREN	Kans.	1100 Vermont Avenue
BLEHR, FRANCIS MORRIS	Minn.	1121 Eye St.
BOYSEN, ALFRED	D. C.	Federal Reserve Board
BREEN, EMMA B.	Tex.	The Burlington Hotel
*BROCKWELL, JOSEPH MATILE	D. C.	1259 Morse St. N. E.
BROWN, HERBERT HAROLD Oxford University	Mass.	234 M St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*BRUNER, WILBUR KICE	D. C.	1216 D St. S. E.
CALLISTER, NORVAL EDDINGTON	Utah	3151 Mt. Pleasant St. N. W.
CASEY, ANDREW HARRISON	N. C.	100 N. C. Avenue S. E.
*CHISHOLM, THEODORE LIVINGSTON B. E., Johns Hopkins University	Md.	105 Patent Office
*CLAVALAUX, IRENE CATHERINE	D. C.	2000 North Capitol St.
COLLINS, SPENCER	Utah	Apt. 42, The Monticello
*COLLINS, WILLIAM STUART	Ga.	1500 20th St. N. W.
†COOK, EMERSON COLLINS	D. C.	2006 N St. N. W.
CRATER, WILLIAM PARKE	N. C.	227 East Capitol St.
†CUNNINGHAM, RAY JESSE	Utah	2523 13th St. N. W.
DEBRODES, GEORGE VICTOR	D. C.	The Portner
DUFFY, MAURICE MATTHEW	Wash.	200 4th St. S. E.
DUNLEAVY, MARGARET MARIE	N. Y.	A-B Bldg., Govt. Hotels
*DWYER, WILLIAM HENRY	Me.	20 Cedar Avenue, Takoma Park, Md.
*ECKERT, CHARLES	D. C.	1030 Kenyon St.
EGAN, HILDRED	Wis.	Zone Finance Office
*FLING, RICHARD HENRY	Va.	Clarks Gap, Va.
*FOGARTY, FRANCIS XAVIER	D. C.	918 Va. Avenue S. W.
FOOKS, HERBERT CLARENCE A. B., 1906, St. Johns College; LL. B., 1916, University of Idaho	D. C.	2006 R Street
*FREDO, MICHAEL A.	N. Y.	504 F St. N. E.
GRAFF, ISADORE	Wis.	904 Westminster St.
GRYCE, SELMA STEINFORT A. B., University of Wisconsin	N. D.	132 3d St. S. E.
HANSEN, JOSEPH BENJAMIN	Ill.	3618 10th St.
*HANSON, HANS	Wis.	1445 Fairmont St.
†HARRIS, FLETCHER WOOLTEEN	Ga.	115 C St. S. E.
HARRIS, LESTER ABRAHAM A. B., 1911, Bucknell College	Pa.	2609 Munsey Building
*HAVELOCK, FRANCIS JAMES	Minn.	Naval Medical School
*HEIST, LUTHER H.	Pa.	1739 P St.
HICKS, HENRY CHESTON A. B., 1914, Dickinson College	Pa.	1736 G St. N. W.
*HIGHTOWER, DAN	Tex.	Department of Justice
†HILL, RICHARD HARRISON A. B., 1905, Princeton University; LL. B., 1912, Harvard Law School	Ky.	1619 H St. N. W.
HOFSTEAD, JOHN ANDREW	N. D.	2413 M St.
*HOLWEGNER, FRED	N. D.	1707 North Capitol St.
†HUDGENS, ROBERT WATTS B. S., 1915, The Military College of South Carolina	S. C.	Bradford Apartments
†JAMES, JOSEPH PIERSON LL. B., 1916, George Washington University	Cal.	1907 15th St. N. W.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
*KALDENBACH, ARTHUR WILLIAM	D. C.	
†KAY, HAROLD THOMAS	Utah	128 B St. N. E.
†KELLY, JOHN EDWARD	D. C.	115 New York Avenue N. W.
KIMBREL, MADGE	Ind.	1338 R St.
*KITITCH, ZIVOYIN TODOROVICH	Serbia	1322 L St.
*KLEIN, SAM	Ala.	1022 9th St.
KLIMA, STANLEY V.	D. C.	1826 Kilbourne Place
LAKE, RUSSELL BRACKETT	Mass.	1842 Calvert St.
LETHEM, RAYMOND RENE	D. C.	1800 Eye St.
LINDNER, EDWARD THOMAS	Alaska	4428 Kansas Avenue
*LOVE, OLIVE DURGIN	D. C.	3748 McKinley St. Chevy Chase, D. C.
LOVELESS, WARD	Ala.	1403 15th St.
MARCINSKI, FRANK	D. C.	4444 Alton Place, Tenleytown, D. C.
†MASSEY, JERRY C. LL. B., LL. M., N. P. L., Georgetown University	D. C.	201 E St. S. E.
McKEE, HUDSON	D. C.	1420 21st St.
McLAUGHLIN, ANNA GERTRUDE	Wyo.	601½ 4th St.
†MICOU, CRESWELL MACMURRAY	D. C.	2400 16th St. N. W.
*MILLER, CHARLES S. A. B., LL. B., Louisiana State University	La.	The Toronto
*MILLER, CLYDE PAYNE	Mo.	914 Cairo Apartment
MONTY, WILLIS ELLSWORTH LL. B., 1916, George Washington University	Vt.	707 22nd St.
†MOORE, JAMES BALLARD LL. B., 1913, George Washington University	D. C.	601 Washington Loan & Trust Bldg.
*O'BRIEN, CLARENCE ABBOTT LL. B., M. P. L., Georgetown Law School	D. C.	1016 11th St.
†PAUL, ALBERT HARDING University of Utah	Utah	Y. M. C. A.
*RADINOFF, VASILE V.	N. J.	3312 4th St. S. E.
REANY, JAMES A.		1923 K St.
†ROMNEY, VERNON	Utah	100 4th St. S. E.
*ROWE, LILY LYKES	D. C.	514 Woodward Building
SABURI, SADA O	D. C.	Japanese Embassy
*SHAW, CHARLES OWEN LL. B., Georgetown University	D. C.	The Wellington
SHELTON, WILLIAM ARTHUR A. B., 1908, University of Georgia; A. M., 1912, University of Chicago	D. C.	2311 Tennyson St. Chevy Chase, D. C.
SIMPSON, WILLIS EARL Ph. B., LL. B., Ohio Northern University	Mont.	1759 Euclid St.
SMITH, HAROLD C. George Washington University University of Texas	Tex.	Box 127, Rockville, Md.

<i>Name</i>	<i>Legal Residence</i>	<i>Address</i>
†SOMMERS, WALTER ALLWOOD LL. B., 1905, St. Lawrence University; LL. B., 1906, George Washington University	N. Y.	754 Rock Creek Church Rd.
STEPHENS, EDGAR BASCOM	Ky.	3107 Mt. Pleasant St.
STERN, WILLIAM FRED	Ill.	1735 Willard St.
*STEWART, EDWIN HOMER	Ore.	2028 F St. N. W.
*TEFFT, IVAN DOUGLAS	Ill.	1332 V St. N. W.
THOMAS, LISLE A. B., 1917, George Washington University	Mich.	1420 R St. N. W.
THOMAS, WILLIAM L.	D. C.	1216 D St. S. E.
†TRAMMELL, CHARLES MONROE Ph. B., 1907, Emory College; LL. B., 1909, Vanderbilt Law School	Fla.	819 G St. N. W.
VESTAL, RUFUS MORTON LL. B., LL. M., Hamilton College of Law	D. C.	309 Shepherd St. N. W.
*WHEELER, JOHN ROWE	Idaho	Apt. 31, The Home
†WOMERSLEY, CHARLES EDWIN	Colo.	4122 8th St. N. W.
WYATT, ZOE M. S.	Ind.	509 11th St. N. W.
YAECKER, WALTER ERNEST	D. C.	2371 Champlain St.
*ZEMPEL, EDWARD HARTMAN	S. D.	712 20th St. N. W.

SUMMARY

Candidates for Degree of Bachelor of Laws:	
First Year.....	426
Second Year.....	121
Third Year.....	94
Total.....	641
Candidates for Degree of Master of Laws.....	26
Total.....	667
Counted Twice.....	4
Total Candidates for degrees.....	663
Special Students.....	90
Total.....	753
Counted Twice.....	1
Total All Students.....	752
Candidates for degrees who are college graduates.....	147
Percentage.....	22.2
Candidates for degrees who have had all or part of a college course.	341
Percentage.....	51.4

COLLEGE GRADUATES CANDIDATES FOR DEGREES

Albion College.....	1	Middlebury College.....	2
Albright College.....	1	Military College of	
Arkansas, University of.....	2	South Carolina.....	1
Baker University.....	1	Mississippi College.....	1
Bowdoin College.....	1	Missouri, University of.....	3
Brown University.....	2	Missouri Valley College.....	1
Bucknell College.....	1	Monmouth College.....	1
California, University of.....	1	Nebraska, University of.....	4
Carnegie Institute of		Nevada, University of.....	1
Technology.....	1	North Carolina, University of.	1
Central University of Iowa....	1	North Dakota, University of..	2
Center College of Kentucky...	1	Ohio State University.....	2
Chattanooga, University of....	1	Pennsylvania, University of...	5
Chicago, University of.....	3	Pittsburgh University.....	1
Cincinnati, University of.....	1	Princeton University.....	5
Colby College.....	2	Randolph-Macon College.....	2
Colgate University.....	1	Rensselaer Polytechnic	
College of the City of New		Institute.....	2
York.....	3	Rice Institute.....	1
Colorado Agricultural College.	1	Richmond College.....	1
Colorado, University of.....	2	St. John's College,	
Columbia University.....	3	Annapolis, Md.....	1
Cornell University.....	2	St. Olaf College.....	1
Dartmouth College.....	4	Swarthmore College.....	1
Davidson College.....	1	Syracuse University.....	3
Delaware College.....	1	Thayer School of Civil	
Denver, University of.....	2	Engineering.....	1
Drury College.....	1	Transylvania College.....	1
Earlham College.....	2	U. S. Military Academy.....	2
Florida, University of.....	1	U. S. Naval Academy.....	4
Georgetown College.....	1	University of the South.....	2
George Washington University	11	Utah, University of.....	1
Goucher College.....	2	Union University.....	1
Gustavus Adolphus College...	1	Vermont, University of.....	1
Harvard University.....	2	Virginia, University of.....	1
Hiram College.....	1	Wake Forest College.....	1
Idaho, University of.....	1	Washington and Lee	
Illinois, University of.....	2	University.....	1
Indiana University.....	2	Washington University.....	1
Iowa, State University of.....	4	Wellesley College.....	1
Johns Hopkins University.....	1	Western Maryland College....	1
Kansas, University of.....	1	Westminster College.....	1
Lehigh University.....	1	West Virginia University.....	1
Lenox College,		Wisconsin, University of.....	4
Hopkinton, Iowa.....	1	Yale University.....	3
Louisiana State University....	1		
Manhattan College.....	1		156
Massachusetts Institute of		Counted Twice.....	9
Technology.....	3		
Miami University.....	1		147
Michigan, University of.....	5		

GEOGRAPHICAL DISTRIBUTION

Alabama.....	42	Pennsylvania.....	169
Arizona.....	4	Rhode Island.....	14
Arkansas.....	10	South Carolina.....	13
California.....	29	South Dakota.....	23
Colorado.....	21	Tennessee.....	59
Connecticut.....	43	Texas.....	67
Delaware.....	9	Utah.....	38
Florida.....	23	Vermont.....	16
Georgia.....	33	Virginia.....	184
Idaho.....	13	Washington.....	18
Illinois.....	137	West Virginia.....	42
Indiana.....	94	Wisconsin.....	54
Iowa.....	68	Wyoming.....	6
Kansas.....	46	Alaska.....	1
Kentucky.....	48	District of Columbia.....	1438
Louisiana.....	18	England.....	1
Maine.....	24	Hawaii.....	1
Maryland.....	174	Philippines.....	14
Massachusetts.....	81	Porto Rico.....	8
Michigan.....	62	Canada.....	3
Minnesota.....	66	Central America.....	1
Mississippi.....	37	China.....	9
Missouri.....	70	Costo Rico.....	1
Montana.....	10	Egypt.....	1
Nebraska.....	28	Germany.....	2
Nevada.....	3	Greece.....	2
New Hampshire.....	9	Honduras.....	1
New Jersey.....	64	Japan.....	3
New Mexico.....	4	Paraguay.....	1
New York.....	178	Persia.....	2
North Carolina.....	46	Peru.....	1
North Dakota.....	37	Russia.....	2
Ohio.....	98	Serbia.....	2
Oklahoma.....	42		
Oregon.....	13	Total.....	3882

GENERAL SUMMARY

Teaching Staff

In many instances members of the Teaching Staff only give part time to the University:

Professors.....	84	
Associate Professors.....	8	
Associates.....	11	
Assistant Professors.....	21	
Lecturers and Instructors.....	76	
Assistants and Demonstrators.....	49	
		249

STUDENTS REGISTERED IN THE UNIVERSITY DURING 1919-20

Department of Arts and Sciences

School of Graduate Studies.....	205	
Columbian College.....	1890	
College of Engineering.....	530	
Teachers College.....	335	
		2960

Professional Schools

Medical School.....	117	
Dental School.....	74	
College of Pharmacy.....	9	
Law School.....	752	
		952

Total.....		3912
Duplicates.....		30
		3882

Summer School, 1919

Summer School, Arts and Sciences.....	461	
Summer School, Law	209	
		668

DEGREES CONFERRED AT COMMENCEMENT, 1919

HONORARY DEGREES

Doctor of Music

NICHOLAS DOUTY

Doctor of Science

JOHN HAYS HAMMOND, JR.

Doctor of Letters

LANGDON ELWYN MITCHELL

ELIZA RUHAMAH SCIDMORE

Doctor of Laws

JOHN BARTON PAYNE

HOWARD SUTHERLAND

LEONARD WOOD

IN COURSE

Bachelor of Arts

LOUISE FRANKLIN BACHE.....	District of Columbia
RACHEL LUCILE BENFER.....	District of Columbia
RUTH HILTON BENNETT.....	District of Columbia
DOLLY MARTHENA CALLAHAN.....	Virginia
MILDRED RUBERTA CALLAHAN.....	Virginia
LINA WRIGHT CARNAHAN.....	Missouri
PERCY THOMAS COWLES (With distinction).....	Massachusetts
ERNEST EDGAR DEITZ.....	West Virginia
DOROTHY DONAHUE.....	Vermont
RILLA MAY HAUKE.....	District of Columbia
ELIZABETH ROEDER HEITMULLER.....	District of Columbia
(With distinction)	
FRANK LANGELLOTTI.....	New York
CATHARINE REGIS MORAN.....	District of Columbia
THOMAS TAYLOR MACEWEN.....	District of Columbia
FLORENCE EBERLY MENTZER.....	Pennsylvania
HENRY RAVENEL.....	District of Columbia
FRANCIS CORE REYNOLDS.....	District of Columbia
LEWIS ROCKOW (With distinction).....	Wisconsin
INEZ BUFFINGTON RYAN (With distinction).....	District of Columbia
REBEKAH SANBORN.....	District of Columbia
HENRY CLAY STEPHENS, JR.....	Tennessee
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RALPH AARON STYER.....	Pennsylvania
TSU-LIEH SUN.....	China
EUGENE UNDERWOOD.....	Illinois

EARLE WILBUR WALLICK.....	Illinois
FRANCIS EUGENE WALTER.....	Pennsylvania
ETHEL WOLF (With distinction).....	District of Columbia
WILLIAM MITCHELL (As of the Class of 1899).....	District of Columbia

Bachelor of Science in Medicine

JOHN HUGH LYONS.....	District of Columbia
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Bachelor of Science in Civil Engineering

JACOB LEON LENOVITZ (With distinction).....	Maryland
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Bachelor of Science in Mechanical Engineering

GEORGE ALOYSIUS DEGNAN.....	Pennsylvania
ROYAL HAINES HEALD.....	District of Columbia
JOSEPH HENRY WILSON.....	Pennsylvania

Bachelor of Science in Chemistry

LAWRENCE ELMER BURTON.....	Indiana
SIMON GERBER.....	District of Columbia

Bachelor of Arts and Bachelor's Diploma in Education

SADIE WHITE BELLER.....	District of Columbia
PEARL LEE BOONE.....	Maryland
ROSE BRILL.....	District of Columbia
FRANCES MOON BUTTS.....	Virginia
LINO JUAN CASTILLEJO.....	Phillippine Islands
MARY CATHERINE DENT.....	District of Columbia
MARY ANNETTE EMORY (With distinction).....	District of Columbia
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LASALIA McCAFFREY.....	Iowa
MARIE CUTHBERTSON NOLD.....	District of Columbia
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MARGARET JOANNA PRENTISS (With distinction)....	District of Columbia
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JEANNETTE BLANEY STRAYER.....	New York
RAYMOND EVERETT TERRY.....	New York
HEBER HERBERT VOTAW.....	Ohio
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Master's Diploma in Education

ALEXANDER MATHIAS BELLONY.....	New York
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Doctor of Medicine

CHARLES JAMES BARONE.....	Michigan
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ELLIOTT MUSE CAMPBELL (With distinction).....	District of Columbia
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JOSEPH KREISELMAN.....	Ohio
HENRY WINSHIP LEETCH (With distinction).....	District of Columbia
ALEX ROBERT ODEN.....	District of Columbia
HYMAN DAVID SHAPIRO.....	District of Columbia
JAMES ALEXANDER SMART.....	Virginia
NATHAN NORMAN SMILER (With distinction).....	District of Columbia

Nurses Certificates

WILLIE GRANT ASHBY.....	Virginia
SARAH ELIZABETH BROWN.....	District of Columbia
RUTH EDWARD CREWS.....	North Carolina
MARY JANE FLAHERTY.....	Virginia
ELIZABETH McELMURRAY FULCHER.....	Georgia
LENA MOORE GRAVES.....	Virginia
NELL HAMLIN.....	North Carolina
LAURA HAYDEN.....	Maryland
VIRGINIA KIRBY.....	Virginia
GRACE LAKE.....	Virginia
LOUVA LEE NEFF.....	Virginia
MARION BOVEE OLDS.....	Virginia
LURLINE VERNON PALMORE.....	Virginia
LOLA PRATT.....	Virginia
BESSIE JEFFREY WALKER.....	Virginia
ELSIE WATSON.....	North Carolina
GRACE LEONAINIE WELLS.....	Virginia

Doctor of Dental Surgery

DEWITT TALMADGE BAKER.....	Texas
WALTER CUTHBERT CHEELY.....	Colorado
EDWARD HAROLD DONOVAN.....	Massachusetts
JOHN WESLEY DULL.....	Pennsylvania
BERNHARD EDWIN ERIKSON (With distinction).....	Illinois
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JOHN FLAM.....	New York
LEROY BLAKE FOSTER.....	Ohio
FRED GEER HARDEN.....	Nebraska
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Master of Laws

LESTER LLEWELLYN SCHNARE.....	Georgia
ANITA WILSON VEALE.....	California

Master of Science

PETER HIDNERT.....	New York
A. B., February 1918, George Washington University.	

Master of Arts

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A. B., February 1919, George Washington University.	
ROSALIE GARDINER JONES.....	New York
MARQUIS LAFAYETTE LENNON.....	Tennessee
A. B., 1912, Union University, Jackson, Tennessee.	
OLLIE ROSCOE MCGUIRE.....	Louisiana
A. B., 1917, Louisiana State University.	

KENKICHI MORI.....	Japan
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LL. B., Washington College of Law.	
EDWIN HENRY SHINN.....	Arkansas
B. A., 1910, Arkansas University.	
B. S., 1916, Oklahoma A. & M.	
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Graduate 1912, U. S. Naval Academy.	

Doctor of Philosophy

HARRY PERCY BARROWS.....	Oregon
B. S., 1911, Utah Agricultural College.	
M. S., 1917, George Washington University.	
FRANK COOPER CRAIGHEAD.....	Pennsylvania
B. S., 1912, Penn. State College.	
M. S., 1915, George Washington University.	
FRANK MCGINLEY PHILLIPS.....	Iowa
A. B., 1908, Iowa State Teachers College.	
A. M., 1915, Iowa State University.	

AT OCTOBER CONVOCATION, 1919

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OTTO HERMAN KAHN	JOHN DU BOIS TELLER

IN COURSE

Bachelor of Science in Medicine

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M. D., 1918, George Washington University.	

Bachelor of Arts

ALEXANDER MATTHIAS BELLONY

Master's Diploma in Education

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A. M., 1918, George Washington University.	

Bachelor of Laws

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LETCHER BENJAMIN CONNELL.....	Tennessee
HERBERT WATSON CORNELL.....	Colorado
A. B., 1908, University of Colorado.	
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A. B., 1909, Missouri Valley College.	
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Master of Laws

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Doctor of Medicine

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 JULIA SYLVIA COGLIN.....Massachusetts
 FRANK LEONARD DAILEY.....Washington
 ROBERT EDWARD GREENE.....New York
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 BERNARD LINK.....New York
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 WILLIAM SIDNEY RHODES.....Virginia
 EMANUEL SCHANTZ.....New Jersey
 NOAH CLEVELAND SECHRIST.....Pennsylvania
 WALTER DANIEL SULLIVAN.....Mississippi

Master of Science

GEORGE WASHINGTON SALZER.....New York
 A. B., 1918, George Washington University.

Master of Arts

FRANK DEANE MOORE.....District of Columbia
 A. B., 1918, George Washington University.

Doctor of Philosophy

EDWARD ELMER SMITH.....District of Columbia
 B. S. in Ch. E., 1914, University of Idaho.
 M. S., 1916, George Washington University.

AT SPECIAL CONVOCATION, OCTOBER 30, 1919**Doctor of Laws**

HIS MAJESTY, ALBERT, King of the Belgians

AT WINTER CONVOCATION, 1920**HONORARY****Doctor of Laws**

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 FRANKLIN MACVEAGH

Doctor of Letters

VICENTE BLASCO IBAÑEZ

IN COURSE

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FRED NASH OLIVER.....	Texas

Bachelor of Science in Medicine

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M. D., 1919, George Washington University.	

Bachelor of Laws

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HIGHLAND RIGHTER JOHNS.....	Pennsylvania
HENRY MILLER.....	Kentucky
GEORGE HENRY PALTRIDGE.....	District of Columbia
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JOHN PRIDE TOMLINSON.....	Tennessee
JAMES ARTHUR KENNEDY.....	South Carolina

Master of Laws

LOUIS MALVERN DENIT.....	District of Columbia
LL. B., 1918, George Washington University.	
HERBERT CLARENCE FOOKS.....	District of Columbia
LL. B., 1916, University of Idaho.	

Master of Science

HSIAO WEI MIN.....	China
B. S., 1916, Peiyang Government University.	
LAURA WINFIELD STEEVER.....	District of Columbia
B. S., 1911, George Washington University.	

Master of Arts

OTTO CARL GSANTNER.....	District of Columbia
A. B., 1915, George Washington University.	
MARGARET HERTHA SCHOENFELD.....	District of Columbia
A. B., 1918, George Washington University.	
YUNG-CHING YANG.....	China
A. B., 1910, Soochow University; LL. B., 1919, George Washington University.	

Doctor of Philosophy

ELIAS ELVOVE.....	District of Columbia
S. B., 1903; S. M., 1904, University of Kentucky; Phar. D., 1910, George Washington University.	
THOMAS ELLIOTT SNYDER.....	District of Columbia
B. A., 1907, Columbia University; M. F., 1909, Yale University.	
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ACKER, G. N.-2nd (124)	2015 Que St.
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BARKER, A. (24)	302 S St. N. E.
BARTSCH, P. (21)	U. S. National Museum.
BASSLER, R. S. (21)	U. S. National Museum.
BEALE, R. S. (124)	1318 19th St.
BECKER, G. H.	2936 Upton St.
BENTON, R. W.	1424 R St.
BENTON, H. S. (123)	Room 203, District Bldg.
BIBB, A. B. (21)	1905 H St.
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BONNETT, R. W.	1616 Eye St.
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BOVEE, J. W. (122)	The Rochambeau.
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ELLIOTT, H. R.	The Farragut Apt.
ELLISON, E. M. (123)	1720 M St.
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FOLEY, T. M. (124)	901 16th St.
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FRANKLIN, E. T. M.	1729 19th St.
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HOPKINS, H. C.....	826 Connecticut Ave.
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HOPKINS, T. S. (10).....	Hibbs Bldg.
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HUNTER, O. B. (122).....	31 E. Oxford St.
HUNTINGTON, W. H.....	3138 Que St.
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JOHNSON, ETHEL (24).....	1207 Emerson St.
JOHNSON, E. E.....	2101 G St.
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KALUSOWSKI, H. E. (161).....	808 Eye St.
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KAYSER, E. L. (22).....	3129 O St.
KEMBLE, A. (123).....	The Cecil.
KERN, R. R. (21).....	The Iowa, 13th and O Sts. Apt. 63.
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KING, WILLIAM BRUCE (10).....	726 17th St.
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KNAPP, M. A. (10).....	Stoneleigh Court.
KNOTT, C. O. (124).....	1006 Eye St. S. E.
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KRAMAR, C. F. (23).....	College Park, Md.
KREHBIEL, E. H. (23).....	1016 9th St.
LAPHAM, J. R. (22).....	1829 G St.

LARKIN, T.....	Navy Yard.
LARNER, J. B. (10).....	900 F St.
LATIMER, J. W. (166)	Wilkins Bldg.
LAWSON, H. W. (122)	1760 Rhode Island Ave.
LAYTON, R. E.....	3019 O St.
LEECH, F. (122).....	1359 Columbia Rd.
LEFFLER, H. H. (23).....	Naval Medical School.
LEPPER, H. A. (23).....	1417 Allison St.
LEWIS, H. S. (124).....	1219 Vermont Ave.
LEWIS, N. D. C. (123).....	St. Elizabeth Hosp.
LINVILLE, T. (123).....	2517 14th St.
LISNER, A. (10).....	Palais Royal.
LITTLEHALES, G. W. (21).....	2132 Le Roy Pl.
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LOHR, V. J.....	Union Savings Bldg.
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McCULLOUGH, J.....	1107 P St.
McDANIEL, A. B. (22).....	7th and B Sts.
McFALL, J. M. (166).....	1710 M St.
McKIMMIE, O. A. M. (122).....	The Valois.
McLAIN, C. (166).....	Treasury Dept.
McLAUGHLIN, T. N. (10).....	1736 Connecticut Ave.
McNEIL, H. C. (22).....	1210 Decatur St.
MACFARLAND, H. B. F. (10).....	1420 New York Ave.
MACMILLAN, J. T. (22).....	207 A St. S. E.
MALLORY, W. J. (125).....	1720 Connecticut Ave.
MANKEY, H. (24).....	2914 11th St.
MARBURY, W. B. (124).....	1717 20th St.
MARSH, E. G. (23).....	922 Maryland Ave. N. E.
MARTIN, T. C. (122).....	The Rochambeau.
MASON, J. R. (24).....	808 9th St.
MASON, L. M. (124).....	The Rochambeau.
MEAD, S. V.....	1120 Fairmont St.
MERRILL, G. P. (21).....	1422 Belmont Rd.
MERRILL, W. H.....	Garfield Hosp.
MERRITT, E. A. (123).....	1621 Connecticut Ave.
MESS, C. J.....	921 15th St.
METCALF, J. (22).....	2023 G St.
MICHELSON, T. (22).....	Smithsonian Institution.
METZEROTH, M. (24).....	119 12th St.
MILLER, G. B. (122).....	1730 K St.
MITCHELL, J. F. (123).....	1344 19th St.
MONCRIEF, W. H. (122).....	Office of Surgeon General.
MOORE, G. F. (10).....	P. O. Box "G," Station "F."
MOORE, M. J. (24).....	111 Tennessee Ave. N. E.

MOORE, W. C. (123)	The Wyoming.
MOORE, W. L. (21)	Rockville, Md.
MORRIS, G. G. (124)	1913 14th St.
MORRISON, R. L.	Seat Pleasant, Md.
MUNROE, C. E. (21)	Forest Glen, Md.
MYERS, R. E. (123)	1335 H St.
NELSON, AGNES (24)	2524 17th St.
NICHOLS, H. B. (24)	6402 Connecticut Ave.
NICHOLS, J. B.	1321 Rhode Island Ave.
NORSWORTHY, L. D. (22)	1731 Kilbourne St.
NOYES, E. R. (22)	1212 Kenyon St.
Noyes, T. W. (10)	Care of <i>Evening Star</i> .
O'CONNELL, F. C. (166)	D. C. Supreme Court.
O'MALLEY, M. (124)	St. Elizabeth Hosp.
PAGAN, A. E. (123)	The Rochambeau.
PALKIN, J. R.	710 14th St.
PARKER, B. W. (166)	Woodward Bldg.
PATTISON, G. K. (23)	2023 G St.
PAYNE, J. B. (10)	1601 I St.
PAYNE, L. M. (24)	Ballston, Va.
PEELE, S. J.	Chevy Chase, Md.
PERKINS, H. C. (10)	1701 Connecticut Ave.
PETER, A. (116)	Wash. Loan & Trust Bld.
PHILLIPS, F. M. (23)	3120 Warder St.
PHILLIPS, G. W. (23)	612 18th St.
POLE, S. B. (124)	Northbrook Courts.
POLLNER, N. B. (24)	32 Park Pl.
POPE, D. J. (24)	3214 Newark St.
PORTER, E. C.	2101 G St.
PREINKERT, M. (24)	1411 L St.
PROTZMAN, M. I. (23)	2023 G St.
PRYOR, J. C. (22)	Naval Medical School.
PUTZKI, P. S.	911 16th St.
RAFTER, R. R.	The Kedrick.
RANDOLPH, B. M. (122)	2010 P St.
RAWLINGS, J. B. (23)	2023 G St.
RAWSON, G. H. (124)	711 C St.
REEVES, W. P. (123)	The Congressional.
RESSER, C. E. (23)	U. S. National Museum.
REICHELDERFER, L. H. (122)	1721 Connecticut Ave.
RICHARDSON, C. W. (122)	1317 Connecticut Ave.
RICHARDSON, E. E. (21)	1001 Alabama Ave. S. E.
RIGGLES, J. L. (123)	The Bradford.
RHOTON, A. L.	State College, Pa.
ROE, J. H. (123)	1335 H St.

ROGERS, J. D.....	1400 M St.
RUEDIGER, W. C. (21).....	2836 28th St.
RUFFIN, S. (122).....	1335 Connecticut Ave.
RUSH, O. L.....	1409 L St.
SALDANA, J. B. (23).....	The Dunsmere.
SANBORN, N. H. (23).....	115 Maryland Ave. N. E.
SCHAAF, M. E. (24).....	1824 Monroe St.
SCHAPIRO, ISRAEL (22).....	Library of Congress.
SCHATZ, E.....	1840 2nd St.
SCHMIDT, A. F. W. (21).....	35 Bryant St.
SCHMITT, W. L. (23).....	Smithsonian Institution.
SCHNEBLY, M. I. (166).....	1448 Park Rd.
SCHOENFELD, H. H. (124).....	3448 34th St.
SCHOENFELD, H. (21).....	3448 34th St.
SCHRIEBER, F. C. (124).....	1726 M St.
SCHULZ, W. H.....	1335 H St.
SEIBERT, E. G. (123).....	1545 Eye St.
SELAH, M. (24).....	17 Third St.
SELBY, J. H.....	1206 18th St.
SELLNER, A. E.....	1335 H St.
SHANDS, A. R. (122).....	901 16th St.
SHELTON, C. R.....	Champlain Apt.
SHOEMAKER, C. G.....	826 Connecticut Ave.
SHUTE, D. K. (122).....	1727 De Sales St.
SILL, M. R.....	132 Adams St.
SIMPSON, C. A. (123).....	1219 Connecticut Ave.
SMALL, W. S. (22).....	1330 Irving St.
SMITH, C. S. (21).....	304 Takoma Ave.
SMITH, E. S.....	1101 17th St.
SNOWDEN, E. (123).....	1900 S St.
SPEAR, A. A. (23).....	4 Sixth St. N. E.
STAFFORD, W. P. (166).....	1725 Lamont St.
STAVELEY, A. L. (122).....	1744 M St.
STAYTON, W. H. (116).....	Southern Bldg.
STERRETT, J. M. (21).....	Pierce Mill Rd.
STIEFEL, C. V.....	Cherrydale, Va.
STITT, E. R. (122).....	1708 R St.
STOCKTON, C. H. (22).....	2017 O St.
STOUT, J. D. (123).....	1335 H St.
SULLIVAN, R. Y.....	The Rochambeau.
SUTTON, L. H. (166).....	McLaughlin Bldg.
SWETT, O. D. (21).....	Chevy Chase, Md.
SWISHER, C. C. (21).....	1810 Kalorama Rd.
SYMONDS, K. (24).....	The Marne.
SYMONDS, H. U. (23).....	2536 37th St.
TAIT, B. (24).....	Western Ave and Ellicott St.

TAYLOR, J. N. (23)	Lisner Hall.
TAYLOR, J. W.	1616 Eye St.
TEILLARD, X. (23)	The Garland.
TEWKSBURY, W. D. (124)	4107 14th St.
THOMPSON, H. C.	Real Estate Trust Bldg.
THOMPSON, J. L.	1404 M St.
THURSTON, E. L. (10)	1414 Madison St.
TIBBETTS, G. C. (23)	321 Essex Ave., Chevy Chase.
TIBBETTS, A. P. (124)	1430 Rhode Island Ave.
TITUS, E. W.	The Rochambeau.
TRIMBLE, R. S. (124)	722 18th St.
TUCKERMAN, W. R. (10)	Wilkins Bldg.
VALAER, P. J. (23)	Bureau of Internal Revenue.
VAN METER, A.	5210 Illinois Ave.
VAN ORSTRAND, C. E. (22)	1607 31st St.
VAN VLECK, W. C. (166)	The Victoria.
VENNATTI, P. C. (23)	1335 H St.
WARNER, H. O.	1842 Monroe St.
WARREN, L. (24)	1341 Columbia Rd.
WASHBURN, W. I. (10)	2029 Connecticut Ave.
WATKINS, M. H.	1429 Clifton St.
WATKINS, M. L.	1335 H St.
WEINSTEIN, M. (23)	3410 M St.
WESTCOTT, L. (24)	1433 L St.
WETMORE, A. (23)	1912 Hamlin St. N. E.
WHEATLEY, C.	The Montana Apt.
WHITE, C. S. (123)	911 16th St.
WHITE, H. (10)	1229 19th St.
WHITE, W. A. (122)	St. Elizabeth Hosp.
WHITSON, A. J. (23)	1209 Ohio Pl.
WILBUR, W. A. (21)	1205 Columbia Rd.
WILEY, V. B. (24)	2023 G St.
WILKERSON, T. R.	The Burlington.
WILSON, J. H. (23)	1436 W St.
WOLFE, A. S.	710 14th St.
WOODHULL, M. V. Z. (10)	2033 G St.
WOODMAN, L. C. (23)	1222 11th St.
WOODWARD, F. A. (23)	751 Quebec St.
WYMAN, W. W.	724 Upshur St.
YARROW, H. C. (122)	814 17th St.
YOUNG, H. C.	Potomac Savings Bank Bldg.
YOUNG, J. L. (23)	2517 Wisconsin Ave.

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One hundred thousand dollars will establish a chair, five thousand dollars a scholarship, and one thousand dollars a prize, in any department of the University.

"I give and bequeath to the George Washington University, of Washington, D. C., the sum of _____ dollars, free from legacy duty or tax, the same to be used as its Board of Trustees may determine (or, in case of a special gift, stating the terms of the gift)."

A PRAYER*

BY

GEORGE WASHINGTON

Almighty God: We make our earnest prayer that Thou wilt keep the United States in Thy holy protection, that Thou wilt incline the hearts of the citizens to cultivate a spirit of subordination and obedience to government; and entertain a brotherly affection and love for one another and for their fellow-citizens of the United States at large. And finally that Thou wilt most graciously be pleased to dispose us all to do justice, to love mercy and to demean ourselves with that charity, humility and pacific temper of mind which were the characteristics of the Divine Author of our blessed religion and without a humble imitation of whose example in these things we can never hope to be a happy nation. Grant our supplication, we beseech Thee, through Jesus Christ, our Lord. Amen.

* This prayer is used regularly at "The President's Chapel" of the George Washington University, and voices the aspirations of the University for the fulfillment of civic duties and the promotion of national welfare.

UNIVERSITY OF ILLINOIS-URBANA



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